

Annual Report

2010



*Research, training
and policy advice to
advance a sustainable
health care system*

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2010 CONTENTS

I Introduction to the Centre for Clinical Epidemiology & Evaluation

The Centre for Clinical Epidemiology & Evaluation (C2E2) was established in 1995 by Dr. Charles Wright, then Vice President of Medicine at Vancouver General Hospital. The Centre is now one of the core research groups within Vancouver Coastal Health Research Institute, and has strong links with the University of British Columbia as a host Centre for several faculty members of UBC's School of Population & Public Health.

Core support for the Centre is provided by Vancouver Coastal Health Authority and VCHRI, with additional funding coming from competitive grant awards, training activities and commissioned research.

The overarching goal of the Centre is to undertake research and training and provide evidence-based advice that supports and advances a sustainable health system delivering high quality, safe and effective care.

Our focus is on three areas of health research:

- **clinical research** - research that explores the safety, effectiveness and efficiency of health care interventions and procedures (including disease prevention measures);
- **applied health services and health economics research** - research concerned with the organisation, management, financing, delivery and outcomes of care;
- **knowledge translation** - the process of promoting and facilitating evidence-informed decision making at practice, managerial and policy levels

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II Overview from the Director



I am delighted to introduce the 2010 Report of the Centre for Clinical Epidemiology & Evaluation.

A key event for the Centre last year was our Strategic Retreat held in June at the Granville Island Hotel. This gave us an opportunity both to celebrate our many successes and reflect on the strategic priorities and challenges over the coming year. It was attended by virtually all members and associates of the Centre, and I would personally like to thank everyone for their engagement in the retreat process and the contributions and suggestions made in defining our goals for 2011. It feels good to have explicit goals for 2011, a summary of which are presented towards the end of this Report.

The Retreat involved considerable preparatory work and helped us tackle a number of outstanding organisational issues, one of which was Centre membership; we now have categories of membership (full members, trainees, associates, visitors and affiliates) and defined responsibilities and expectations. Full details of Centre membership are available at our new website: c2e2.vchri.ca.

The year saw continued engagement with policy, practitioner and research communities in Canada and internationally. We worked closely with colleagues in Vancouver Coastal and several other regions on policy-oriented research projects, and continued to work alongside with our clinical research partners, including researcher colleagues in the areas of emergency medicine, respiratory, and hip health & mobility. We had a number of major grant successes to celebrate, from CIHR and other funding agencies, involving both clinical research and policy collaborators. I would like to emphasise the importance we attach to building strong, full and long-lasting research partnerships – this model of ‘excellence through collaboration’ was discussed extensively at our Retreat, and is more fully described later in the Report.

On the research front, we maintain considerable strength in biostatistics and clinical research design, and health services and outcomes research, with leadership from Drs. Penny Brasher and Boris Sobolev respectively. Further, I am very pleased to see the strong re-emergence of the health economics research theme at the Centre, under the direction of Dr. Craig Mitton. We have strengths in other areas too, for example, systematic reviews (Doyle-Waters), pharmaco-epidemiology (Etminan), health information technology (Balka), and culture, ethnicity and health (Poureslami).

In terms of teaching and workshops, we continued with our established and popular short courses in statistics and systematic reviews, led by Penny Brasher, Lisa Kuramoto and Mimi Doyle-Waters. These sessions were again well-attended and the feedback from participants indicates that the teaching quality was very high. This year, for the first time,

we ran a short course in health economics, in collaboration with Carlo Marra and Larry Lynd, Pharmaceutical Sciences, UBC. Our leads for this were Craig Mitton and myself. The 2-day course was well-subscribed and the enthusiasm of the participants encourages us to consider running a suite of such courses to include advanced material.

Of particular note, we were very happy to host two visiting faculty members in 2010: Dr. Iestyn Williams from the University of Birmingham was with us for 3 months, and Sarah Morton from the University of Edinburgh joined us for 6 weeks. We also had visits from several other colleagues, many of whom crossed ‘the pond’ to be with us, and I would like to thank them all for coming and sharing their expertise with us.

I would like to congratulate Jennifer Davis, Victor Sanchez, Francois Dionne and Nick Bansback, all of whom successfully defended their PhDs in 2010. Victor has moved to UC Berkeley for his post-doc and I am thrilled that both Jennifer and Nick have joined us here at the Centre for their post-doc work, focusing on patient-reported outcome measurement and preference elicitation in clinical decision making, respectively.

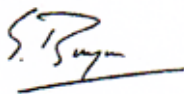
The year was also one of committee striking to facilitate Centre activities. We now have a Leadership Committee (Stirling Bryan, Penny Brasher, Boris Sobolev and Craig Mitton), and committees concerned with:

- Rounds (Lisa Kuramoto, Neale Smith, Stirling Bryan and Vicky Chan),
- Website (Shirley Yue, Penny Brasher, Lisa Kuramoto, Stirling Bryan and Mimi Doyle-Waters), and
- Social Events (Mimi Doyle-Waters, Lisa Kuramoto, Boris Sobolev and Jennifer Davis)

A hearty thank-you from me to all those who have ‘volunteered’ for this service to the Centre.

Regrettably we had some goodbyes to say in 2010. Our first farewell was for Linda Soon who worked as secretary and administrative support for the Centre for over 8 years. Linda contributed enormously to the Centre’s success during her tenure with us and will be missed by all her colleagues. On the administrative side, we also said farewell to Mark Hewitt. We wish both Linda and Mark well for the future. We are delighted to welcome Vicky Chan who joins the administrative team to work alongside Shirley Yue.

All in all, 2010 was a highly successful and productive year for the Centre and I would like to express my deep gratitude to all of my Centre colleagues for their outstanding efforts during 2010. I am confident that we are increasingly well positioned, in terms of strategic direction and staff complement, to meet the challenges of the coming years.



Stirling Bryan
Director

III Centre Staff

CENTRE FACULTY AND STAFF

Ellen Balka	<i>Senior Research Scientist</i>
Penny Brasher	<i>Senior Research Scientist</i>
Stirling Bryan	<i>Director</i>
Mimi Doyle-Waters	<i>Librarian & Information Specialist</i>
Mahyar Etminan	<i>Research Scientist</i>
Lisa Kuramoto	<i>Statistical Analyst</i>
Lisa Masucci	<i>Research Coordinator</i>
Craig Mitton	<i>Senior Research Scientist</i>
Iraj Poureslami	<i>Research Scientist</i>
Neale Smith	<i>Study Coordinator</i>
Boris Sobolev	<i>Senior Research Scientist</i>
Helen So	<i>Research Assistant</i>

FACULTY LEADS FOR COLLABORATING RESEARCH GROUPS

Jeff Brubacher	<i>Clinical Research Scientist (Emergency Medicine)</i>
David Evans	<i>Clinical Research Scientist (Trauma)</i>
Mark FitzGerald	<i>Clinical Research Scientist (Respiratory)</i>
Corinne Hohl	<i>Clinical Research Scientist (Emergency Medicine)</i>
Karim Khan	<i>Clinical Research Scientist (Hip Health & Mobility)</i>

TRAINEES AND STUDENTS

Nick Bansback	<i>Post-Doctoral Fellow (commenced November 2010)</i>
Nathaniel Bell	<i>Post-Doctoral Fellow (commenced April 2010)</i>
Jennifer Davis	<i>Post-Doctoral Fellow (commenced May 2010)</i>
Mahmud Dewan	<i>Co-op student</i>
Francois Dionne	<i>PhD student (completed November 2010)</i>
Basia Rogula	<i>Co-op student</i>
Mohsen Sadatsafavi	<i>PhD student</i>
Victor Sanchez	<i>PhD student</i>

CENTRE ASSOCIATES

Riyad Abu-Laban	<i>Emergency Medicine, VGH</i>
Najib Ayas	<i>Respiratory Division, UBC</i>
Herbert Chan	<i>Emergency Medicine, VGH</i>
Donald Griesdale	<i>Critical Care, VGH</i>
Lynsey Hamilton	<i>Emergency Medicine, VGH</i>
Janet Joy	<i>Vancouver Coastal Health Authority</i>
Kim McGrail	<i>Centre for Health Services & Policy Research, UBC</i>
Margaret McGregor	<i>Family Practice, UBC</i>
Bill Miller	<i>Occupational Science and Occupational Therapy, UBC</i>
Ellen Randall	<i>Trauma Services, VGH</i>
Michael Schulzer	<i>Statistical Consultant</i>

VISITING FACULTY (2010)

Iestyn Williams	<i>University of Birmingham (July-September 2010)</i>
Sarah Morton	<i>University of Edinburgh (July 2010)</i>

ADMINISTRATIVE TEAM

Vicky Chan	<i>Financial and Administrative Assistant (commenced October 2010)</i>
Mark Hewitt	<i>Assistant Coordinator - Research & Finance (departed June 2010)</i>
Linda Soon	<i>Secretary to Director (departed March 2010)</i>
Shirley Yue	<i>Administrative Manager</i>

Full contact information for all Centre staff is available at our website: c2e2.vchri.ca

Biographical information

CENTRE FACULTY & STAFF

ELLEN BALKA, PhD is a Professor in Simon Fraser University's School of Communication, where she also serves as Director of the Assessment of Technology in Context Design Lab. She holds a Michael Smith Foundation for Health Research Senior Scholar's Award. She has held numerous grants concerned with health sector technology in general and information technology in health care in particular. She began her career pursuing the study of technology assessment, and with a shift in research focus to information technology in the health sector over a decade ago, she has worked to broaden notions of health technology assessment beyond efficiency, efficacy, cost and health outcomes, while working within the health system to create and support innovative strategies for improving the evidentiary basis of decision making about information technology in health care. She holds positions at Vancouver Coastal Health's Centre for Clinical Epidemiology and Evaluation, and UBC Faculty of Medicine's Department of Pediatrics.

PENNY BRASHER, PhD is a Senior Research Scientist at C2E2 and an associate member of the Department of Statistics at UBC. She is the Statistical Editor for the Canadian Journal of Anesthesia and has served on several grant review committees and ethics boards. Dr. Brasher's research interests include clinical research methodology, secondary use of administrative data and statistical education.

STIRLING BRYAN, PhD is Director of C2E2, and Professor in the School of Population & Public Health at UBC. He is also honorary professor at the University of Birmingham (UK) and an adjunct associate at the Center for Health Policy at Stanford University. In 2005/06 Stirling was a Commonwealth Fund Harkness Fellow in Health Care Policy, based at Stanford. He sits on the Editorial Board of Health Economics, a journal for which he is also an Associate Editor. Dr Bryan's research interests span the areas of outcome measurement, economic evaluation, health technology assessment and health care decision making. His work includes both applied and methodological contributions.

MIMI DOYLE-WATERS, BSW, MA, MLIS is the librarian at C2E2. Her main research focus is systematic reviews. She has worked on a variety of reviews concerning SARS, influenza, herpes zoster, nurse staffing, emerging zoonoses, asthma, arthritis, falls prevention, complex adaptive systems as well as several Cochrane reviews. She also has experience in methodologically rigorous 'rapid' reviews, meta-narrative and realist reviews. She is one of the instructors for the UBC School of Population and Public Health graduate course SPPH 516 - Systematic Reviews and teaches in the C2E2 June systematic review course. Through C2E2 she also provides consulting services to researchers interested in developing measurement instruments and review protocols.

MAHYAR ETMINAN, PhD is an Assistant Professor of Medicine at the University of British Columbia and a research scientist at the Center for Clinical Epidemiology and Evaluation in Vancouver. He is trained in both clinical pharmacology and epidemiology. Dr. Etminan's main expertise is in identifying rare adverse drug events using large administrative databases. He is an expert in methodology of randomized controlled trials and observational studies. Dr. Etminan is the author of the only research article that to date that has identified the risk of bone necrosis with different oral bisphosphonates. He is also a co-investigator on several CIHR funded research grants looking at the effect of various drug classes on the risk cardiovascular and respiratory conditions. Dr. Etminan has more than 60 publications, many of which are published in high impact journals including JAMA and BMJ.

LISA KURAMOTO is a Statistical Analyst at C2E2. She holds an MSc in Statistics from the University of British Columbia. As a member of Dr. Boris Sobolev's research team, her research interests are primarily in investigating surgical waiting times and their impact on patient outcomes. In addition, she consults clinical researchers on design of experiments and statistical analyses. Lisa also contributes to teaching workshops on statistical inference for the VCHRI Research Education program. Her highlight from 2010 was co-authoring a book with Drs. Boris Sobolev and Victor Sanchez on health care evaluation using computer simulation experiments.

LISA MASUCCI is a Research Coordinator based in the Health Economics Program at C2E2. Lisa completed her MSc in Health Services Research from the University of Toronto, specializing in health outcomes and evaluation and sub-specializing in knowledge translation. She holds an Honors BA in Health Studies from McMaster University. Lisa's recent research has focused on the utilization of home-based and ambulatory services among palliative care patients. Her research interests include health services outcomes and evaluation, knowledge translation, priority setting, and home care.

CRAIG MITTON, PhD is a Senior Scientist at the Centre for Clinical Epidemiology and Evaluation and an Associate Professor in the School of Population and Public Health in the Faculty of Medicine. Craig is also a Michael Smith Foundation for Health Research Scholar and for the last four years has been at University of British Columbia Okanagan where he held a Canada Research Chair in Health Care Priority Setting. The focus of his research is in the application of health economics to impact real-world decision making in health organizations. This involves work on priority setting and resource allocation as well as economic evaluation of technologies and services. Craig has published a book entitled the 'Priority setting toolkit: a guide to the use of economics in health care decision making' and is the author of over 75 peer reviewed publications. In addition to an active applied health services research program he regularly consults with governments and health care organizations both in Canada and abroad. Craig is a member of the International Society of Priorities in Health Care and serves as an Associate Editor for the journal BMC Health Services Research. He is also on the executive of the Michael Smith Foundation for Health Research Child and Youth Health Research Network.

IRAJ POURESLAMI, is a Senior Research Scientist at the Faculty of Medicine, Respiratory Medicine Division, UBC, and a scientist at C2E2. Iraj's main research goal is to address socio-cultural and environmental determinants of health and quality of life in newcomers and ethnocultural communities in Canada. In Canada, Iraj has conducted different health promotion and health literacy research projects among newcomer communities and their families in greater Vancouver and across BC, applying community-based, research-to-action, and full participatory approaches. Iraj is a WHO (EMRO) mentor of health promotion, WHO Early Childhood Development (ECD) Knowledge Network consultant, and member of the Canadian National Health Literacy Expert Panel. Iraj has extensive knowledge and expertise in developing community-based health literacy information materials, in particular audio-visual and print materials.

NEALE SMITH is a Study Coordinator with the Centre for Clinical Epidemiology and Evaluation, and an Adjunct Associate Professor with the University of Alberta, School of Public Health. He has over 15 years experience in research and evaluation in both practice and academic settings issues. His current research interests include healthcare policy and politics; public administration and public policy processes and theory; priority setting and resource allocation; health promotion, community development and community capacity building; urban planning, urban sustainability, and links to health promotion and public health; qualitative research and evaluation methodologies; public participation and public engagement; knowledge translation and exchange; and qualitative research synthesis and systematic review methods. Neale holds an MA in Political Science from the University of Western Ontario and a Masters in Environmental Design (Urban and Regional Planning) from the University of Calgary. He is author or co-author of 25+ peer reviewed articles.

BORIS SOBOLEV, PhD is a Senior Scientist at the Center for Clinical Epidemiology and Evaluation and a faculty member at the UBC School of Public and Population Health. Since 2003, Prof. Sobolev has been a Canada Research Chair in Statistics and Modeling for Health Care. In 2004/05 Boris was a Peter Wall Early Career Scholar and currently he is a Faculty Associate at the UBC Peter Wall Institute for Advanced Studies serving on its Adjudication Committee. Research interests of Prof. Sobolev include methodology for analysis of waiting times, risk of adverse events while awaiting elective surgery, and the use of simulation experiments in policy evaluation.

Centre Faculty Leads for Collaborating Groups

EMERGENCY MEDICINE

- **JEFF BRUBACHER** is Scientist at C2E2, Assistant Professor in the UBC Department of Emergency Medicine (Faculty of Medicine), and Director of the Vancouver General Hospital Emergency Medicine Research Program. He practices clinically as Emergency Physician in the Emergency Department at Vancouver General Hospital and as Clinical Toxicologist at the BC Drug and Poison Information Centre. Jeff holds a Clinician Scientist award from the Vancouver Coastal Health Research Foundation. His research interest focuses broadly on injury prevention with a special interest in drug impaired driving, substance abuse and injury, and patient safety in the emergency department.
- **CORINNE HOHL** is a Research Scientist at C2E2, Assistant Professor in UBC's Department of Emergency Medicine and an Attending Emergency Physician at Vancouver General Hospital. Corinne has been a VCHRI Mentored Clinician Scientist since July 2006, and is an Editorial Board member of the Canadian Journal of Emergency Medicine. Corinne's main research interest is in patient safety, specifically drug-related morbidity and the development of interventions to enhance the recognition and treatment of patients affected by adverse drug events. She is presently working on the development, validation and implementation of screening strategies to enhance adverse drug event recognition and treatment in the Emergency Department. She is also working on projects in procedural sedation and rapid sequence intubation.

RESPIRATORY MEDICINE

- **DR. MARK FITZGERALD** trained in internal medicine at University College Dublin. Following two years working as an internist in Africa he trained in respiratory medicine and clinical epidemiology at McMaster University. Subsequently he has taken a leadership position nationally and internationally in research focusing on airways disease, tuberculosis and health outcomes. His research has involved extensive ongoing collaboration with the CDC Atlanta. He chairs the Science Committee, and sits on the Executive committee, of the Global Initiative in Asthma (GINA) which provides global evidence based asthma guidelines. In addition he has been a member or co chaired the Canadian Asthma Consensus Working group since 1989. This group developed the first national evidence based asthma guidelines. He was the founding chair of the Canadian Respiratory Clinical Research Consortium. He was the Director of C2E2 from 2001-2009. More recently he has been appointed the inaugural Director of the UBC Centre for Lung Health. In recognition of his research expertise he has been awarded a VGH Scientist Award, a BC Lung/ CIHR Scientist Award and a Michael Smith Foundation for Health Distinguished Scholar Award.

HIP HEALTH & MOBILITY

- **DR. KARIM KHAN**, is Professor and clinician-scientist, Department of Family Practice, UBC. Dr. Khan has achieved international recognition for studies promoting greater mobility among vulnerable seniors. In a medical community that often focuses on pharmaceutical therapies, Dr. Khan has consistently reported the large benefit of physical activity for public health. He has published extensively, including those in high impact journals such as the British Medical Journal, where he also serves on the international editorial board. Dr. Khan is also the Editor of the British Journal of Sports Medicine, a leading international journal that focuses on the role of physical activity for health. Reflecting his contribution to knowledge translation, he is coauthor of the leading medical monograph for general practitioners and physiotherapists, Clinical Sports Medicine (3rd Edition, McGraw-Hill).

TRAUMA

- **DR. DAVID EVANS** was appointed to the UBC Department of Surgery in 2005 in the position of Medical Manager, Trauma Services at the Vancouver General Hospital where he maintains a strong clinical and academic interest in trauma, general surgery and critical care medicine. Dr. Evans founded the Canadian Trauma Trials Collaboration in 2001 - a national multidisciplinary, multi-centre trauma research group - and served as its chair until 2006. He also chaired the Trauma/Critical Care Committee of the Canadian Association of General Surgeons. He is a Fellow of the Royal College of Physicians and Surgeons of Canada and serves on the General Surgery examination board. He is a Fellow of the American College of Surgeons and has served as Quebec Chair for the ACS Committee on Trauma. He has served on the executive of the Trauma Association of Canada and remains active in Canadian trauma research.

CENTRE TRAINEES & STUDENTS

- **NICK BANSBACK**, PhD has a BSc in Mathematics majoring in Operations Research, a MSc in Health Services Research and in 2010 completed a PhD in Health Economics and Decision Sciences, from the University of Sheffield. His research is focused on using decision science to better inform policies and practices in health. For his PhD he developed a novel methodology to elicit preferences from the general population so that policy makers can understand the value society places on impact of different health policies. In his postdoctoral work, he is pursuing methods to better enable patient's preferences to be incorporated into individual treatment decisions.

- **NATHANIEL BELL**, PhD is a Post Doctoral Research Fellow with the Department of Surgery and holds a joint appointment with C2E2 and the Division of Trauma Services at Vancouver General Hospital. Dr. Bell's research interests include trauma systems optimization, the use of geographic information science for health-related research, and the application of linked health and administrative databases.
- **JENNIFER DAVIS**, PhD is CIHR Post Doctoral Fellow in the School of Population and Public Health and the Centre for Clinical Epidemiology and Evaluation. She is co-supervised by Professor Stirling Bryan and Dr. Teresa Liu Ambrose. Jennifer's post-doctoral fellowship (PDF) explores the potential benefit of using patient-centered and outcome-based performance metrics in health care to evaluate performance of actors within the health care system.
- **MOHSEN SADATSAFAVI** is a third year PhD student at the Faculty of Pharmaceutical Sciences, UBC. Mohsen holds an MD degree from Iran and a Masters degree in Epidemiology from UBC. Mohsen's PhD research is on quantitative methods for Value of Information analysis of health technologies. Alongside his PhD research, Mohsen is involved in a variety of ongoing projects at C2E2 and UBC. Mohsen's activities during 2010 included designing the Economic Burden of Asthma in Canada (EBA-Canada), a prospective cohort study on the resource use of asthma in Canada, analysis of a randomized controlled trial of mobile phone technologies in improving adherence of HIV patients to medications in Kenya (Weltel-Kenya), analysis of the provincial administrative database for calculating the burden of asthma in BC, and several other projects.



CENTRE ASSOCIATES

DR. RIYAD ABU-LABAN is an Emergency Physician at VGH, Associate Professor and Co-Research Director of the UBC Department of Emergency Medicine and Senior Associate Editor for the Canadian Journal of Emergency Medicine. He holds an MHSc in epidemiology from UBC, has a wide range of research publications, and was principal investigator on two cardiac arrest RCTs, the second of which was managed through C2E2 and published in *The Lancet* in 2006. In recent years his focus has shifted to research facilitation, and education. Beyond collaborating as a co-investigator on several ongoing projects, he is mentor for two emergency medicine VCHRI career award recipients and is active in research administration for the newly established UBC Department of Emergency Medicine. He has taught on the subject of clinical trials for C2E2, and is currently developing a 1 month research education rotation for UBC Emergency Medicine Residents, scheduled to launch in October 2011.

KIMBERLYN MCGRAIL, PhD, is an Assistant Professor at the University of British Columbia, Associate Director of the UBC Centre for Health Services and Policy Research, a Senior Researcher with Statistics Canada and an Associate with the Centre for Clinical Epidemiology and Evaluation. Kim's current research interests variations in health care services use and outcomes, understanding health care as a determinant of health, comparative health policy, and the development of health information and technology to improve evidence and practice. She has collaborated with provincial and federal policy- and decision-makers, including the BC Ministry of Health Services, the Health Council of Canada and the Canadian Institute for Health Information. Kim was the 2009-10 Commonwealth Fund Harkness Associate in Health Care Policy and Practice. She holds a PhD in Health Care and Epidemiology from the University of British Columbia, and a Master's in Public Health from the University of Michigan.



IV The Centre's Research Program

In parallel to the collaborative research we undertake with our partner research groups, the Centre has three central methodology research programs:

- Clinical Research Methodology, led by Penny Brasher
- Health Services and Outcomes Research, led by Boris Sobolev
- Health Economics, led by Craig Mitton

Further, we have a cross-cutting core research theme of Systematic Reviews, with leadership from Stirling Bryan and Mimi Doyle-Waters.

Additional areas of research focus in the Centre include:

- Health Information Technology, led by Ellen Balka
- Pharmaco-epidemiology, led by Mahyar Etminan
- Culture, ethnicity and health, led by Iraj Poureslami
- Long-term care, led by Margaret McGregor

CLINICAL RESEARCH METHODOLOGY

Members of this program collaborate with health care practitioners on investigator-driven clinical research. The team is dedicated to the promotion and facilitation of excellence in the design, conduct and analysis of clinical research within VCHA.

In 2010 the team was involved in over 50 new consultations and over 20 ongoing projects producing five publications and numerous conference presentations and grant submissions. Projects originated with investigators from a variety of clinical departments and sites including Vancouver General Hospital, G.F. Strong Rehabilitation Centre, UBC Hospital and Lions Gate Hospital.

The team was also involved in educational activities with graduate students, interns, residents and fellows, presentation at departmental rounds, and a series of workshops, 'Understanding Statistics in Medicine'.

HEALTH SERVICES & OUTCOMES RESEARCH PROGRAM

Over the reported period, the researchers in the program have continued to study access to surgical care and obtained results on the impact of delays in treatment on preoperative adverse events and mortality, postoperative adverse events and in-hospital mortality among patients who underwent CABG according the length of delay. The significance of these

results is three-fold. First, the summary probabilities of pre-surgical death and unexpected emergency admission have never been reported before with the adjustment for competing events. Second, the improved estimates of the risk of adverse events while waiting for elective care contributed to a better understanding of the duration of time for which the elective care could be safely delayed. Third, we showed that delaying surgery beyond the acceptable time standards increased risks related to surgery itself.

This period was also successful in getting results in health care policy analysis using simulation experiments. We have successfully applied the framework and study design introduced in previous years to evaluate methods for improving the peri-operative process with the use of patient flow simulations. We conducted a variety of simulation experiments to assess alternative booking and appointment systems.

In 2010, we have continued working on the following research projects:

- SIMCARE: Simulation experiments in health care
- Waiting time and post-operative adverse events for patients undergoing coronary artery bypass surgery
- Second hip fractures among hip fracture hospitalizations in BC

In 2010, we conducted research projects working with our partners:

- Hip fracture: Incidence, Treatment and Outcomes; Drs Pierre Guy, Kelly Lefaiivre from the Centre for Hip Health and Mobility
- Adverse drug-related events in emergency patients; Dr Corrine Hohl from the UBC Emergency Medicine
- AHRQ Patient Safety Indicators, Patricia Chung and Christopher Mah from VCH Decision Support
- Simulation in health care; Dr Adrian Levy from the Dalhousie University

HEALTH ECONOMICS PROGRAM

The Health Economics Program within C2E2 brings economics perspectives and thinking to practice and policy in the health care sector. Work within this program includes cost-effectiveness analyses, measurement and valuation of health services outcomes and research on health service organization and policy. In this program we seek a balance between applied work, where the focus is informing practice and policy, and methodological investigation, which aims to guide future research methods.

The Health Economics Program has two primary objectives:

- Foster the use of health economics methods and findings across all levels of health care decision-making
- Conduct leading edge methodological research in the field of health economics

In all of our activity we are interested in knowledge translation and in this actively seek out interaction between researchers and decision makers/ clinicians.

Faculty members include Stirling Bryan, Director of C2E2 and Craig Mitton, Lead Faculty for the Health Economics Program. Through 2010 there were seven additional team members within the program including three research coordinators (Neale Smith, Lisa Masucci, Helen So), two post-doctoral fellows (Nick Bansback, Jennifer Davis) and two PhD students (Francois Dionne and Mohsen Sadatsafavi).

Current research interests:

- Cost-effectiveness analyses across a variety of clinical settings, e.g. stroke prevention, respiratory illness (asthma, COPD, TB, sleep apnea), falls prevention, older adults, dementia, child obesity, child pedestrian injuries and public health services
- Health care decision making, e.g. priority setting and resource allocation, multi-criteria decision analysis, patient reported outcome measurement and Health Technology Assessment
- **Methods development:**
 - Quantitative and qualitative approaches to advance decision making
 - Outcomes measurement
 - Performance assessment
 - Knowledge translation and knowledge exchange

SYSTEMATIC REVIEWS

This is a cross-cutting core research theme of the Centre, with leadership from Stirling Bryan and Mimi Doyle-Waters, and input from Mahyar Etminan and Michael Schulzer. As part of this work program, we provide ongoing advice and support to researchers at VCHRI and UBC regarding systematic review methodology. During 2010 we participated in approximately 12 systematic reviews, of which 8 were led by faculty within the Centre.

Of particular importance to this research program, the Centre is one of the successful Evidence on Tap Qualified Research Teams for CIHR. This is reactive research program within CIHR intended to support provincial decision makers by providing them with high quality evidence-based syntheses that address health care policy questions. Thus, we are able to bid on priority synthesis topics selected by participating provinces. In 2010 we applied and were successful in the first round of bids which enabled us to work with Saskatchewan Health on a synthesis of the regulation requirement for 24-hour registered nurse availability in long-term care facilities. In the second competition we were again successful and continued to work with Saskatchewan Health, this time on the role of government policy in coordinating large system transformation.

Faculty and staff associated with this theme deliver our two educational courses that focus on systematic reviews. The graduate-level course is run through the School of Population & Public Health at UBC and is delivered in the Fall term. The intensive short course is delivered in the summer as a week-long teaching block. The courses are available to students at the graduate level, researchers from the health authorities and UBC interns, residents and faculty.

HEALTH INFORMATION TECHNOLOGY

The health information technology research theme, led by Dr Ellen Balka, seeks to improve the evidentiary basis upon which decision making about information technology in the health sector is based. It focuses on 3 areas:

- Conducting field based research to provide guidance to health IT designers
- Exploring issues related to governance of health sector IT
- Investigating the relationship between the design of IT systems in health care, their use, and the availability and quality of health indicators

V A Focus on Research Collaboration

The tag-line for the Centre, coming out of our discussions at the Retreat this year, is 'Excellence through collaboration'. This reflects a recognition on our part that the highest quality health research, to which we aspire in both clinical and health services research, results from partnership and collaboration.

We have therefore established formal collaborations with existing partner research groups (Emergency Medicine, Hip Health and Mobility, Respiratory/Lung Health and Trauma) and plan for expansion of the collaborating group model, to include other research-based centres over the coming years.

A key feature of a collaborative arrangement is the full engagement of faculty from both centres in the development of research ideas, the planning of research projects and programs, and the writing of grants. Faculty members from both centres are then co-applicants on the grant, with shared responsibility for successful delivery of the research project, and appropriate grant funding flowing in both directions. The hope is that this then leads to joint and ongoing research programs being established and appropriate co-authorship of research manuscripts by faculty and staff across both centres, in line with the contributions made by members of the research team.

The collaborating group model should ideally stretch beyond a pure research focus to include dissemination activities, such as the co-hosting of events such as seminars and workshops, and inputs to shared teaching and learning activities.

The arrangement in place currently is that the leads for the collaborating group partnership with C2E2 (Jeff Brubacher, Corrine Hohl, Mark FitzGerald, Karim Khan and David Evans) are designated as full members of C2E2, with associate status additionally provided to their relevant research staff. In addition, infrastructure support is available from C2E2 in the form of office space, network and server access and some administrative support.

Achieving true and lasting collaborations is about building relationships and trust and so, inevitably it takes time. We have a long list of other research groups with whom we are working, including Trauma and Critical Care, and the hope is that we can formalize much of our joint work through the collaborating group model.

An excellent example of collaboration success in 2010 was the award of a CIHR Emerging Team Grant entitled, 'Walk the Talk: Transforming the Built Environment to Enhance Mobility in Seniors'. The Principal Investigators on the grant are Heather McKay (Centre for Hip Health & Mobility), Stirling Bryan (C2E2) and Larry Frank (UBC School of Community & Regional Planning). This 6 year grant, worth \$1.5 million, aims to promote and enable mobility of older Canadians through research into how the built environment is associated with mobility, social exclusion and quality of life in older adults.

A second example that epitomizes this approach is the CIHR Partnerships for Health System Improvement (PHSI) grant won by David Evans and Boris Sobolev (as joint Principal Investigators) entitled, 'An integrated strategy for policy-relevant process-outcome evaluation in a regional trauma system'. This grant seeks to devise a comprehensive strategy for continuous improvement of the trauma care system. Specifically, they will determine the informational needs of decision makers responsible for trauma care, will identify patient-centered outcomes of the delivery of trauma care, will map processes in the continuum of care for major trauma patients in the regional health authorities. Further, they plan to develop information management solutions that improve the utility of existing clinical and administrative datasets pertinent to care of the severely injured. Integral to this applied health services research is proposed collaboration with providers, administrators and support personnel involved in all phases of major adult trauma care (pre-hospital care, acute care, specialized care, rehabilitation, and injury prevention) aiming to advance trauma system evaluation and redesign in the province.



VI Training and Education Program

UBC SCHOOL OF POPULATION & PUBLIC HEALTH COURSES TAUGHT BY CENTRE FACULTY & STAFF

- **SPPH 516: Systematic Reviews**
 - Centre teaching faculty: Mark FitzGerald (course director), Mimi-Doyle Waters, Mahyar Etminan, Stirling Bryan, Michael Schulzer
- **SPPH 500: Analytical Methods in Epidemiologic Research**
 - Centre teaching faculty: Boris Sobolev (course director), Lisa Kuramoto
- **SPPH 508D: Applied Research Design and Data Analysis**
 - Centre teaching faculty: Boris Sobolev (course director)
- **SPPH 532: Health Economics**
 - Centre teaching faculty: Stirling Bryan (course director), Craig Mitton
- **SPPH 580B: Pharmacoepidemiology**
 - Centre teaching faculty: Mahyar Etminan (course director), Boris Sobolev
- **SPPH 581D: Health Care Priority Setting**
 - Centre teaching faculty: Craig Mitton (course director), Stirling Bryan

UBC SAUDER BUSINESS SCHOOL COURSES TAUGHT BY CENTRE FACULTY & STAFF

- **EMBA 598: Health Care Priority Setting**
 - Centre teaching faculty: Craig Mitton (course director), Stirling Bryan

SIMON FRASER UNIVERSITY SCHOOL OF COMMUNICATION COURSES TAUGHT BY CENTRE FACULTY & STAFF

- **CMNS 801: Design and Methodology in Communication Research**
 - Centre teaching faculty: Ellen Balka (course director)

TRAINING COURSES AND WORKSHOPS DELIVERED BY CENTRE FACULTY & STAFF

Understanding Statistics in Medicine Workshops

- Centre teaching faculty: Penny Brasher
- A series of four day-long workshops designed for health care professionals to help them interpret the statistical results presented in the medical literature with more confidence
- The four modules were: Basic Statistical Concepts, Randomized Trials, Observational Studies, Meta-analysis of Randomized Controlled Trials

Systematic Reviews in Health Care

- Centre teaching faculty: Mimi Doyle-Waters, Mahyar Etminan, Michael Schulzer, Stirling Bryan, Mark FitzGerald, Craig Mitton, Neale Smith
- This is the third year the Centre has offered a five day course on systematic reviews and meta-analysis
- The course provides participants with an in depth view of systematic reviews. All participants gave very positive reviews of the course and felt it was an excellent learning experience

Statistics Workshops for VCH Research Institute

- *Workshop 1: Confidence Intervals*
 - Centre teaching faculty: Lisa Kuramoto
 - This workshop is the first in a three-part series on statistical inference delivered with the VCHRI Research Education Program
 - Its purpose is to teach clinicians and researchers how to understand published research results when reported in terms of confidence intervals
- *Workshop 2: Hypothesis Testing*
 - Centre teaching faculty: Lisa Kuramoto
 - This workshop is the second in a three-part series on statistical inference delivered with the VCHRI Research Education Program
 - Its purpose is to teach clinicians and researchers how to make and understand decisions based on hypothesis testing and how to understand published research results when reported in terms of p values

Health Economic Evaluation and Coverage Decision Making

- Centre teaching faculty: Stirling Bryan, Craig Mitton
- This 3-day course was run in conjunction with faculty from the Collaboration for Outcomes Research at UBC and the Centre for Health Evaluation & Outcomes Science (Drs Carlo Marra and Larry Lynd)
- This was the first running of the course and the feedback was highly positive and so the plan is run it again in 2011, with more advanced courses to follow

Healthy Reviews: Best practices for conducting and commissioning literature reviews

- Commissioned workshop for the BC Ministry of Health Services
- Centre teaching faculty: Mimi Doyle-Waters, Stirling Bryan

VII Rounds and Seminars

One of the Centre rituals is our weekly Rounds held at 12noon on Mondays in Room 700 of the Research Pavilion (828 West 10th Avenue). We had a truly excellent program of speakers in 2010. The schedule for last year is given below. I would like to thank all those who shared their work with us.

A new Rounds Committee was established in 2010, chaired by Lisa Kuramoto and with membership including Neale Smith, Stirling Bryan, Vicky Chan and Shirley Yue. Their hard work has clearly paid dividends – many thanks for their service to the Centre in this way.

If you would like to present at Rounds please email Vicky Chan (vicky.chan@ubc.ca).

ROUNDS SCHEDULE FOR 2010

DATE	PRESENTER	TITLE
January 11	Jennifer Davis	<i>Health economic studies in vulnerable seniors</i>
January 18	Iraj Poureslami	<i>Part 1: Health literacy within the reality of newcomers' cultural and language issues: The conceptual framework</i>
January 25	Charlene Harrington	<i>Failure in the organization, financing, and oversight of U.S. nursing homes</i>
February 1	Nick Bansback	<i>A new approach to valuing states of health</i>
February 8	Sonia Singh	<i>Can a mobile falls prevention clinic reduce falls and risk of falls in community dwelling seniors?</i>
March 1	Craig Mitton	<i>The Black Hole of Calcutta – rationing made explicit</i>
March 8	Najib Ayas	<i>The Impact of Long Resident Workhours on Safety</i>
March 15	Francois Dionne	<i>Identifying disinvestment options to increase the impact of priority setting in health care organizations</i>
March 22	Ellen Wiebe	<i>Sex, Mood & the Pill</i>
March 29	Stirling Bryan	<i>When asked hypothetical questions, do people answer truthfully?</i>
April 12	Nisha Dogra	<i>Developing and delivering on a strategy for meeting the needs of a culturally diverse community by a child and adolescent mental health service</i>

ROUNDS SCHEDULE FOR 2010 *continued*

DATE	PRESENTER	TITLE
April 19	Corinne Hohl	<i>Adverse Drug Events in the Emergency Department: A Research Program in Patient Safety</i>
April 26	Jerilynn Prior	<i>Oral Micronized Progesterone for Vasomotor Symptoms--the first randomized placebo-controlled trial</i>
May 3	Mohsen Sadatsafavi	<i>Pneumococcal Infection Modeling Platform: a transmission-dynamic model for the epidemiology of pneumococcal infections and cost-effectiveness of vaccination programs</i>
May 10	Maureen Asche, Wendy Cook	<i>Enhancing Recovery after Hip Fracture- A Specialized Falls Clinic and Self-Management Program for Older Adults</i>
May 17	Michael Schulzer, Lisa Kuramoto, Jacquelyn Cragg	<i>Longitudinal progression in Parkinson's Disease: A statistical analysis</i>
May 25	Kaitlyn Tsuruda	<i>Using Statecharts for modeling access to OR time in a surgical service</i>
May 31	Ellen Balka	<i>E-Epidemiology: The Challenges of Constructing Health Indicators Involving Multiple Jurisdictions</i>
June 7	Shannon Coates	<i>First Response and Information Management: Investigating the Issues Associated with Collecting and Sharing Data in the Pre-Hospital Care Chain</i>
June 23	Martin Buxton	<i>Estimating the economic benefits from medical research in the UK: methods, results and policy implications</i>
September 13	Iestyn Williams	<i>Implementing rationing decisions in health care</i>
September 20	Helen So	<i>To Eat or Not to Eat: Preliminary Results on the Alberta Health Services Employee Eating Habit Survey"</i>
September 27	Ed Mills	<i>Applying networks of clinical trials to inform Health Technology Assessments</i>

ROUNDS SCHEDULE FOR 2010 *continued*

DATE	PRESENTER	TITLE
October 4	Neale Smith	<i>Using Evaluation Theory to Improve Priority Setting in Healthcare</i>
October 18	Stirling Bryan and Jennifer Davis	<i>Outcome-based performance metrics in health care: Has their time come?</i>
October 25	Deanne Taylor	<i>Study of the Resident Care Aides' (RCAs) Caring Relationship with Residents and the Implications to Clinical Practice and Care Staff Communication</i>
November 1	Emily Lancsar	<i>Exploring preferences for health risk reductions in the context of drinking water</i>
November 8	Ellen Balka	<i>Can we respond to the challenge? Issues arising in the assessment of health information technology in healthcare.</i>
November 15	Nick Bansback	<i>Incorporating patients preferences into individualized healthcare decisions</i>
November 22	Don Griesdale	<i>Airway management in critically ill patients</i>
November 29	Charity Evans	<i>Medication Adherence - Taking it to Heart</i>
December 6	George Browman	<i>Fashioning a Research Agenda from a Health Services Mission: The Case of Clinical Practice Guidelines</i>
December 10	Andrew Vallance-Owen	<i>The Journey to the Routine Measurement of Patient Reported Outcomes</i>
December 13	Nathaniel Bell	<i>The role of GIS for injury surveillance and public health</i>

The Centre also plays host to occasional seminars on topics that relate to our core research themes and areas of expertise.

For example, in November, to coincide with a visit to the Centre by Dr Emily Lancsar from the University of Newcastle (UK), we hosted a workshop entitled, 'Discrete Choice Experiments in Health Economics'. The session provided an opportunity for learning about novel applications of discrete choice experiments (DCEs) and related methods, and methodological developments of the DCE approach to reveal individual welfare estimates. The following papers were presented in the half-day workshop:

- **NICK BANSBACK** (Centre for Health Evaluation & Outcomes Science, Providence Health Care Research Institute; Centre for Clinical Epidemiology & Evaluation, Vancouver Coastal Health Research Institute): *Using a DCE to estimate health utilities on the QALY scale*
- **MEHDI NAJAFZADEH** (Collaboration for Outcomes Research and Evaluation, UBC; Centre for Health Evaluation & Outcomes Science, Providence Health Care Research Institute): *Barriers for integrating personalized medicine into clinical practice: Measuring physicians' preferences using Best-Worst Scaling*
- **EMILY LANCSAR** Emily Lancsar, PhD (Newcastle University Business School, UK): *New methods to estimate choice models and welfare measures for single individuals from best worst choice experiments*



VIII Goals for 2011

As indicated earlier, one of the outcomes from our Retreat was the desire to set ourselves explicit goals for 2011. Through a process of discussion amongst the Leadership Team and consultation with all members of the Centre we defined the goals. Below is a list of some of the main goals for the year, against which we expect to be judged!

CENTRE DEVELOPMENT

- Maintain revenue stream from research grants and other sources in real terms
- No reduction in core faculty positions funded from base funds
- No reduction in staff positions

ACADEMIC ACTIVITY

- Develop a research program on clinical guidelines
- Expand the cohort of trainees (PDFs and PhD candidates)
- Increase the volume and quality of publication outputs
- Expand our suite of academic and training courses

COLLABORATIONS

Formal collaborating groups:

- Strengthen links with collaborating groups through research grants, co-authored publications, joint events, etc.
- Engage in discussions with potential new collaborating groups

Health authorities:

- Strengthen links with VCH through new projects, policy-related consultancy, etc.
- Build a stronger relationship with other HAs through new projects, policy-related consultancy, etc.

CENTRE PROFILE

- Prepare an annual report
- Further develop and enhance our website
- Host visiting scholars
- Take forward several key initiatives (e.g., conferences, workshops)

CENTRE LIFE

- Maintain existing 'rituals': Staff meetings, Rounds, Journal Club
- Launch the 'C2E2 vibe'
- Infrastructure: Further improve the working environment in the Centre
- Staff development: Introduce a formal staff development process





2010 APPENDICES

A Ongoing research projects

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
SSHRCC	Analysis of work practices in a Cape Town emergency department	\$6,100	1	BALKA, Ellen	HAMEED, Morad; SCHUURMAN, Nadine
CIHR	Integrating gender and sex in health and environment research: Development of New Methodology	\$200,000	5	BALKA, Ellen; LIPPEL, Katherine; MERGLER, Donna; MESSING, Karen; RITZ, Stacey; SAINT-CHARLES, Johanne; VARNIER, Claire	BOUCHARD, Maryse; CHAN, Laurie H; CHATIGNY, Celine; COTE, Julie; DIAMOND, Miriam; LEGRAND, Melissa; NEIS, Barbara L; PARENT, Lise; PHILIBERT, Aline; PHILLIPS, Susan; POWER, Nicole G; SMARGIASSI, Audrey; STOCK, Susan; VAILLANCOURT, Cathy; VANDELAC, Louise; VEZINA, Nicole; WAREHAM, Stacey
MSFHR	Health Innovation Design and Evaluation (HeIDE) Research Team	\$225,000	3	BALKA, Ellen	
CIHR	Knowledge to action: Supporting continuity of care and practice research through secondary use of EMR data	\$200,000	3	BALKA, Ellen	
CIHR	Action Seniors! A RCT of Secondary Falls Prevention in Community-Dwelling Senior Fallers	\$725,944	5	LIU-AMBROSE, Teresa Y	BRASHER, Penelope(Penny) M; COOK, Wendy L; DAVIS, Jennifer C; DONALDSON, Meghan G; GRAF, Peter; MARRA, Carlo A; MIRAN-KHAN, Karim; RHODES, Ryan E
HSFBCY	Effect of an inpatient supplementary practice program on lower extremity function	\$452,000	3	BRASHER, Penelope(Penny) M	ENG, J; MILLER, B; DAWSON, D
CIHR	Identifying the Neurocognitive Impairments Associated with Recurrent Falling Among Community-Dwelling Seniors	\$300,000	3	LIU-AMBROSE, Teresa Y; HANDY, Todd C	BEATTIE, B. L; BRASHER, Penelope(Penny) M; DONALDSON, Meghan G; GRAF, Peter; MIRAN-KHAN, Karim

Ongoing research projects *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
CIHR	An integrated strategy for policy-relevant process-outcome evaluation in a regional trauma system	\$350,000	3	EVANS, David C; CHRISTENSON, James M; HAMEED, Syed M; SIMONS, Richard K; SOBOLEV, Boris G; TOWNSON, Andrea F	ANDRUSIEK, Douglas L; ANTON, Hubert A; BELL, Nathaniel J; BISHOP, William D; BRASHER, Penelope(Penny) M; BROEKHUYSE, Henry M; BRUSSONI, Mariana J; BRYAN, Stirling; CARON, Nadine R; DVORAK, Marcel F; FRANCHE, Renée-Louise; GUY, Pierre; L'HEUREUX, Randolph L; PAPP, Anthony; RABINOWITZ, Alan N; REDEKOP, Gary J; REID, John D; SCHURMAN, Nadine C; TAULU, Tracey; VAN HEEST, Rardi
MSFHR	Optimization of Trauma Systems	\$200,000	3	HAMEED, M	BRASHER, Penelope(Penny) M; SCHURMAN, N; SIMONS, R
CIHR	Mobilizing evidence into action to improve outcome of vulnerable seniors	\$388,815	3	ASHE, Maureen C	BRASHER, Penelope(Penny) M; BRYAN, Stirling; COOK, Wendy L; DONALDSON, Meghan G; GUY, Pierre; MCKAY, Heather A; MIRAN-KHAN, Karim
CIHR	The Impact of a Resident Work Schedule Change on Patient Safety	\$330,000	2	AYAS, Najib	BRASHER, Penelope(Penny) M; DAROZA, Gerald; DODEK, Peter M; HENRICH, Natalie; KASSEN, Barry O; LANDRIGAN, Chris; MACLURE, Malcolm; PARSHURAM, Christopher S; PEETS, Adam
CIHR	Systematic Review and Evidence Synthesis of Research on the Regulation Requirement for 24-hour Registered Nurse Availability in Long-term Care Facilities	\$110,000	1	BRYAN, Stirling	AYAS, Najib; BALK, Ellen; BAUMBUSCH, Jennifer L; KURAMOTO, Lisa K; MCGREGOR, Margaret J

Ongoing research projects *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
CIHR	Valuing health status of general population: Development of a Canadian preference-based scoring system for the new 5-level EQ-5D	\$100,000	1	XIE, Feng; JOHNSON, Jeffrey A	BANSBACK, Nicholas; BRYAN, Stirling; LUO, Nan; OHINMAA, Arto E
CIHR	Home-based newborn screening for biliary atresia using parent completed infant stool colour cards: a pilot feasibility study	\$481,274	3	SCHREIBER, Richard A	AHMED, Najma N; AROCKIASAMY, Vincent S; BRYAN, Stirling; COLLET, Jean-Paul; KACZOROWSKI, Janusz A; MORINVILLE, Veronique
CIHR	Better Contraceptive Choices for Marginalized Women: Immediate vs. Interval Insertion of Intrauterine Contraception after Second Trimester Abortion	\$100,000	1	NORMAN, Wendy V	BRANT, Rollin F; BRYAN, Stirling; DICUS, Lyda I; KACZOROWSKI, Janusz A; SOON, Judith A
CIHR	Knowledge Transfer for Evaluation of Programs in a Complex Real-world Setting	\$14,875	1	CHUNICK, Susan L	BRYAN, Stirling; O'NEIL, John D; PURDON, Michelle A; SCHUCKEL, Victoria M; STEINBERG, Marla; SWANSON, Magdalena; WASDELL, Michael
CIHR	Novel Determinants of Change in Health Related Quality of Life Among Vulnerable Seniors	\$135,000	3	DAVIS, Jennifer C	BRYAN, Stirling; MITTON, Craig R
CIHR	Respiratory Sleep Disorders Research Team (LOI)	\$10,000	1	AYAS, Najib	BRYAN, Stirling; FITZGERALD, J M; FLEETHAM, John A; LAHER, Ismail; MANCINI, G. B. J; MARRA, Carlo A; RYAN, Frank; SANDFORD, Andrew J; VAN EEDEN, Stephanus F
CIHR	Walk the Talk: Transforming the Built Environment to Enhance Mobility in Seniors	\$10,000	1	MCKAY, Heather A; BRYAN, Stirling; FRANK, Lawrence	ASHE, Maureen C; SCOTT, Vicky J
BF	Isotretinoin and Inflammatory Bowel Disease	\$36,574	2	ETMINAN, M	BRESSLER, B; CARLETON, B
GSC	Drug Induced Glaucoma	\$19,000	2	ETMINAN, M	MABERLEY, D; MIKELBERG, F

Ongoing research projects *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
PHAC	Childhood Obesity Prevention Module Development	\$250,000	3	CHANOINE, JP	MITTON, Craig R et al.
PCI	Comparing values of decision makers and members of the public to inform health care priority setting	\$73,155	1	MITTON, Craig R	BRYAN, Stirling; PEACOCK, Stuart
BCPSQC	Economics of Patient Safety and Quality	\$72,960	1	MITTON, Craig R	BRYAN, Stirling;
CIHR	Achieving High Performance in Health Care Priority Setting: developing and evaluating a framework for excellence	\$489,820	3	MITTON, Craig R	BATE, Angela; BRYAN, Stirling; DAVIDSON, Alan R; DONALDSON, Cam; GIBSON, Jennifer; PEACOCK, Stuart J
CIHR	Systematic Review and Evidence Synthesis of Research on the Regulation Requirement for 24-hour Registered Nurse Availability in Long-term Care Facilities	\$100,000	1	BRYAN, Stirling;	AYAS, Najib; BALKA, Ellen; BAUMBUSCH, Jennifer L; KURAMOTO, Lisa K; MCGREGOR, Margaret J; MITTON, Craig R
CHSRF	Nunavut Health Care System Re-design	\$45,000	1	MITTON, Craig R	DENIS; LAW; WONG
CIHR	Reducing the Acute Care Burden of Childhood Asthma on Health Services in British Columbia	\$584,000	3	CARLETON, Bruce C	CAMP, Patricia G; GOLDMAN, Ran D; LEVY, Adrian R; MITTON, Craig R
CIHR	Child Pedestrian Injury: Advancing research methods, knowledge of injury etiology, and prevention approaches	\$139,000	4	MORRONGIELLO, Barbara A	HAGEL, Brent E; MACGREGOR, Carolyn G; MITTON, Craig R; SCHURMAN, Nadine C
CIHR	Meta-narrative synthesis of conceptual models for knowledge to action	\$100,000	1	MITTON, Craig R	BEST; TERPSTRA; MILLAR
IHE	Alberta Consensus Conference: evaluation of impact	\$78,760	2	MITTON, Craig R	SMITH, Neale
CFCIHR	Canadian Pharmacogenomics Network for Drug Safety	\$4,037,748	4	CARLETON, Bruce; HAYDEN, Michael	DUBE; KOREN LEVY MACLEOD; MITTON, C R; PHILLIPS
CIHR	Public Health Services Renewal in BC: Implementation and Impact of the Core Public Health Functions Framework	\$300,000	4	MACDONALD, Marjorie	BEST; HANCOCK; MITTON, C R;

Ongoing research projects *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
CIHR	Asthma and Health literacy in Newcomer Communities in the Greater Vancouver Area (GVA): A population-based Qualitative Study	\$200,000	3	FITZGERALD, J M	FRANKISH, Jim; KASSAM, Rosemin; KAZANJIAN, Arminee; POURESLAMI, Iraj; Rootman, Irving
CIHR	Assessing Chronic Obstructive Pulmonary Disease (COPD) knowledge, beliefs, and health literacy in Chinese immigrant adults with a diagnosis of COPD	\$200,000	2	FITZGERALD, J M	HO, Kendall; KASSAM, Rosemin; KAZANJIAN, Arminée; KHAN, Nadia A; LAM, Stephen; MAYHEW, Maureen; MCGREGOR, Margaret J; POURESLAMI, Iraj; SIN, Donald
CIHR	Waiting time and post-operative adverse events for patients undergoing coronary artery bypass surgery	\$100,000	1	SOBOLEV, Boris G	DODEK, Peter M; KURAMOTO, Lisa K
CIHR	Cannabis and Motor Vehicle Crashes: A Multicentre Culpability Study	\$910,151	5	BRUBACHER, Jeffrey R	ASBRIDGE, Mark; BRANT, Rollin F; MANN, MARTZ, Walter; Robert E; ANDOLFATTO, Gary; BRYAN, Stirling; DRUMMER, Olaf H; MACDONALD, Scott A; PURSELL, Roy A; SCHREIBER, William E
CIHR	Examining the Effects of Alcohol Misuse on the Neuropsychological and Neuropathological Outcome from Traumatic Brain Injury: A Longitudinal Study	\$854,630	5	LANGE, Rael T	ANDOLFATTO, Gary; BRUBACHER, Jeffrey R; HERAN, Manraj S; IVERSON, Grant L; MACKAY, Alexander L; MAEDLER, Burkhard
CIHR	A Study to Prospectively Assess the Safety and Effectiveness of The Ottawa SAH Strategy for the Investigation of Alert Patients Suspected of Having Subarachnoid Hemorrhage (Renewal - Phase III)	\$1,099,483	5	PERRY, Jeffrey J	EMOND, Marcel; HOHL, Corinne M; SIVILOTTI, Marco L; STIELL, Ian G; WELLS, George A; WORSTER, Andrew

Ongoing research projects *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
CIHR	Centre for Hip Health and Mobility: A Team Approach to Mobility in Vulnerable Seniors	\$1,500,000	6	LI, Linda C. ; LIU-AMBROSE, Teresa Y.L. ; MARRA, Carlo A ; MCKAY, Heather Anne ; MIRAN-KHAN, Karim	ASHE, Maureen Celeste ; BRASHER, Penelope(Penny) Margaret Ann ; COOK, Wendy Laurel ; CYNADER, Max Sigmund ; ENG, Janice Jennifer ; FELDMAN, Howard ; FITZGERALD, J Mark ; HART, David Arthur ; KOPEC, Jacek Andrzej ; KORNELSEN, Jude Ann ; LILLIES, Bonnie ; MACKAY, Alexander Lloyd ; MCELHANEY, Janet Elizabeth ; RHODES, Ryan Edward ; SCOTT, Vicky Janice
CIHR	An investigation into risk-taking behaviour, bone microstructure and fracture between the sexes: What underpins fracture in boys compared to girls during growth?	\$595,133	4	MCKAY, Heather A	BOYD, Steven K ; BURROWS, Melonie ; LI, Linda C ; MACDONALD, Heather M ; MIRAN-KHAN, Karim ; MULPURI, Kishore ; NAYLOR, Patti-Jean ; RHODES, Ryan E
CIHR	Pathogenesis of tendinopathy: Clinical and laboratory studies	\$681,000	5	MIRAN-KHAN, Karim ; DURONIO, Vincent	HART, David A ; SCOTT, Alexander
CIHR	Assessing bone strength in the developing skeleton: Sex differences and the role of physical activity AND THE KTE PLAN	\$544,451	4	MCKAY, Heather Anne	BAXTER-JONES, Adam Dominic George ; BURROWS, Melonie ; COOPER, David Michael Lane ; MIRAN-KHAN, Karim
VF	An expanded CBCI program	\$977,000	3	MIRAN-KHAN, Karim ;	
CIHR	Quality of care following injury in British Columbia and the Yukon: a study to validate the use of linked administrative data sources to evaluate care	\$135,000	3	BELL, Nathaniel J	SOBOLEV, Boris G ; SIMONS, Richard K
CIHR	Disseminating SIMCARE results to other services and jurisdictions	\$100,000	1	SOBOLEV, Boris G ; LEVY, Adrian R	BELL, Nathaniel J ; FRADET, Guy ; KURAMOTO, Lisa K

Ongoing research projects *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)
SACE	Monitoring quality of life after injury: a pilot study and expansion of the surgical resident-as-advocate role	\$1,200	1	BABCOCK, C	BELL, Nathaniel J
VCHRI	Applying patient-reported outcome measures to clinical settings to monitor outcomes	\$100,000	2	BRYAN, Stirling; DAVIS, Jennifer C	
CIHR	Evaluating Interventions that Promote Healthy Aging	\$22,400	1	LIU-AMBROSE, Teresa Y	DAVIS, Jennifer; LI, Linda; BOYD, Lara; STEWART, Heather
CIHR	Promoting Resistance Training to Tone the Aging Body & Mind	\$65,819	4	LIU-AMBROSE, Teresa Y	BEATTIE, B. L.; DAVIS, Jennifer C; LI, Linda C
CIHR	Postdoctoral Fellowship	\$45,000	3	DAVIS, Jennifer C	BRYAN, Stirling; LIU-AMBROSE, Teresa Y; MITTON, Craig R

ACRONYM	INSTITUTION
BCPSQC	BC Patient Safety and Quality Council
BF	Broad Foundation
CFICIH	Canadian Foundation for Innovation/ Canadian Institute of Health Research
CHSRF	Canadian Health Services Research Foundation
CIHR	Canadian Institute of Health Research
GSC	Glaucoma Society of Canada
HSFBCY	Heart and Stroke Foundation of BC and Yukon
IHE	Institute of Health Economics

ACRONYM	INSTITUTION
MSFHR	Michael Smith Foundation for Health Research
PCI	Pfizer Canada Inc
PHAC	Public Health Agency of Canada
SACE	Social Accountability and Community Engagement Initiative
SSHRCC	Social Sciences and Humanities Research Council of Canada
VCHRI	Vancouver Coastal Health Research Institute
VF	Vancouver Foundation

B Grants submitted in 2010

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CIHR	Handovers in Care: A Qualitative Study to Identify Barriers to Achieving Safer Handovers, Medico-Legal Barriers to Improving Feedback to Care Providers, and to Improve Epidemiological Data Across Jurisdictions	\$540,850		BALKA, Ellen		Not awarded
SSHRC	The Technology of Art and the Art of Technology	\$250,000		BALKA, Ellen	BURNETT, Ron	Awarded
CIHR	Characterizing mobility and bone health in older adults after hip fracture			ASHE, MC	BRASHER, Penelope (Penny) M; BOYD, S; GUY, P; MCKAY, H; ROBINOVITCH, S	Awaiting Result
CIHR	Beyond V02 peak: understanding exercise-induced changes in cardiovascular function after stroke			ENG, J	BRASHER, Penelope (Penny) M; TSANG, T; MADDEN, K; KRASSIOUKOV, A; TANG, A	Awaiting Result
CIHR	A Systematic Realist Review and Evidence Synthesis of the Role of Government Policy in Directing Large System Transformation	\$110,000	1	BRYAN, Stirling	BEST, Allan; MITTON, Craig R	Awarded

B Grants submitted in 2010 *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CIHR	An integrated strategy for policy-relevant process-outcome evaluation in a regional trauma system	\$450,000	3	EVANS, David C; CHRISTENSON, James M; HAMEED, Syed M; SIMONS, Richard K; SOBOLEV, Boris G; TOWNSON, Andrea F	ANDRUSIEK, Douglas L; ANTON, Hubert A; BELL, Nathaniel J; BISHOP, William D; BRASHER, Penelope (Penny) M; BROEKHUYSE, Henry M; BRUSSONI, Mariana J; BRYAN, Stirling; CARON, Nadine R; DVORAK, Marcel F; FRANCHE, Renée-Louise; GUY, Pierre; L'HEUREUX, Randolph L; PAPP, Anthony; RABINOWITZ, Alan N; REDEKOP, Gary J; REID, John D; SCHUURMAN, Nadine C; TAULU, Tracey; VAN HEEST, Rardi	Awarded
CIHR	Achieving high performance in health care priority setting	\$439,600	3	MITTON, Craig R	BATE, Angela; BRYAN, Stirling; DAVIDSON, Alan R; DONALDSON, Cam; GIBSON, Jennifer; PEACOCK, Stuart J	Awarded
CIHR	Physician- and region-level variations in health care services use	\$489,907	3	MCGRAIL, Kimberlyn	M BARER, Morris L; BRYAN, Stirling; EVANS, Robert G; GARRISON, Scott R; LEWIS, Steven J	Awarded
CIHR	Better Contraceptive Choices for Marginalized Women: Immediate vs. Interval Insertion of Intrauterine Contraception after Second Trimester Abortion	\$632,226	4.5	NORMAN, Wendy V	BRANT, Rollin F; BRYAN, Stirling; DICUS, Lyda I; KACZOROWSKI, Janusz A; SOON, Judith A	Awarded
CIHR	Emerging Team Grant: Alliances in Mobility in Aging - Full Application	\$1,500,000	6	MCKAY, Heather A; BRYAN, Stirling; FRANK, Lawrence	ASHE, Maureen C; CLARKE, Philippa J; MITTON, Craig R; PAEZ, Antonio; RHODES, Ryan E; SCOTT, Vicky J; SIMS-GOULD, Joan	Awarded

B Grants submitted in 2010 *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CIHR	Sleep and Circadian Rhythms: Team Grant	\$1,428,129	5	AYAS, Najib	ALMEIDA, Fernanda R; BRYAN, Stirling ; FELS, Sidney S; FITZGERALD, J M ; FLEETHAM, John A; FLEMING, Jonathan A; KWIATKOWSKA, Bogumila (Mila) M; LAHER, Ismail; LOWE, Alan; MANCINI, G. B. J; MARRA, Carlo A; RYAN, Frank; SANDFORD, Andrew J; SHEEL, William A; VAN EEDEN, Stephanus F	Awarded
CIHR	Valuing health status of general population: Development of a Canadian preference-based scoring system for the new 5-level EQ-5D	\$443,766	2	XIE, Feng; JOHNSON, Jeffrey A	BANSBACK, Nicholas ; BRYAN, Stirling ; LUO, Nan; OHINMAA, Arto E; POISSANT, Lise; PULLENAYEGUM, Eleanor M	Awarded
CIHR	Cannabis and Motor Vehicle Crashes: A Multicentre Culpability Study	\$910,151	5	BRUBACHER, Jeffrey R	ANDOLFATTO, Gary; ASBRIDGE, Mark; BRANT, Rollin F; BRYAN, Stirling ; DRUMMER, Olaf H; MACDONALD, Scott A; MANN, Robert E; MARTZ, Walter; PURSELL, Roy A; SCHREIBER, William E	Awarded
CIHR	Synthesizing knowledge on disinvestment processes in health care	\$100,000	1	MITTON, Craig R	BRYAN, Stirling ; PEACOCK, Stuart J; WILLIAMS, Iestyn P	Awarded
CIHR	Why are so many patients dissatisfied with knee replacement surgery? Exploring variations of the patient experience	\$439,600	3	MEHIN, Ramin; BRYAN, Stirling	DAVIS, Jennifer C ; GOLDSMITH, Laurie J; SAWATZKY, Richard G; WASDELL, Michael	Awarded

B Grants submitted in 2010 *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CIHR	Evidence, values and priority setting methods in cancer control	\$361,630	3	PEACOCK, Stuart J	BRYAN, Stirling; BURGESS, Michael M; DOBROW, Mark; GIBSON, Jennifer; HOCH, Jeffrey S; MITTON, Craig R	Awarded
PCI	Comparing values of decision makers and members of the public to inform health care priority setting	\$73,155	1	MITTON, Craig R	BRYAN, Stirling; PEACOCK, Stuart	Awarded
PCI	Innovation in health care	\$33,597	1	BRYAN, Stirling	MITTON, Craig R	Awarded
BCPSQC	Economics of Patient Safety and Quality	\$72,960	1	MITTON, Craig R	BRYAN, Stirling;	Awarded
VCHA	Priority setting in the Vancouver Communities division	\$24,000	1	MITTON, Craig R	BRYAN, Stirling; DIONNE, Francois	Awarded
VCHA	Priority setting in the Vancouver Communities division	\$24,000	1	MITTON, Craig R	BRYAN, Stirling; DIONNE, Francois	Awarded
MSFHR	In long-term care facilities in British Columbia, what is the optimal nurse staffing level and mix to deliver safe, high quality and cost-effective care?	\$248,200	2	BRYAN, Stirling	Baumbusch, Jennifer; McGrail, Kim; McGregor, Margaret; Berg, Shannon; Mitton, Craig; Kuramoto, Lisa; Kinkaid, Chris	Not awarded
CIHR	Using patient-reported outcome measures to improve patient care: an application to secondary falls prevention in seniors	\$410,000	3	BRYAN, Stirling; LIU-AMBROSE, Teresa Y	DAVIS, Jennifer; COOK, Wendy; SOBOLEV, Boris; LEVY, Adrian; MITTON, Craig	Not awarded

B Grants submitted in 2010 *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CNIB	Prescription drug use and risk of glaucoma and cataracts	\$34,000	1	ETMINAN, M	MABERLEY, D; MIKELBERG, F	Awarded
VF	The Impact of Cultural Differences on Health Literacy & Chronic Disease Outcomes	\$75,000		FITZGERALD, J M	POURESLAMI, Iraj	Re-submission invited
CIHR	A health literacy approach to tackle health inequities in chronic disease management among BCs ethno-cultural communities	\$400,000		FITZGERALD, J M	POURESLAMI, Iraj; BRYAN, Stirling; Khan, N; Schulzer, M; Kazanjian, A; Mayhew, M	Not awarded
SSHRC	Measuring Health Literacy in Selected Ethno-cultural Communities in British Columbia and the United Kingdom	\$100,000		FITZGERALD, J M	POURESLAMI, Iraj; BRYAN, Stirling; DOGRA, N; PROTHEROE, J	Not awarded
PHAC	A case control study comparing the impact of asthma between immigrants and Canadian born subjects in urban Canada	\$800,000		FITZGERALD, J M	POURESLAMI, Iraj; GUPTA, S; ERNST, P	Re-submission invited

B Grants submitted in 2010 *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CIHR/ MSFHR	An integrated strategy for policy-relevant process-outcome evaluation in a regional trauma system	\$450,000	3	EVANS, David C; CHRISTENSON, James M; HAMEED, Syed M; SIMONS, Richard K; SOBOLEV, Boris G; TOWNSON, Andrea F	ANDRUSIEK, Douglas L; ANTON, Hubert A; BELL, Nathaniel J; BISHOP, William D; BRASHER, Penelope(Penny) M; BROEKHUYSE, Henry M; BRUSSONI, Mariana J; BRYAN, Stirling; CARON, Nadine R; DVORAK, Marcel F; FRANCHE, Renée-Louise; GUY, Pierre; L'HEUREUX, Randolph L; PAPP, Anthony; RABINOWITZ, Alan N; REDEKOP, Gary J; REID, John D; SCHUURMAN, Nadine C; TAULU, Tracey; VAN HEEST, Rardi	Awarded
CIHR	Disseminating SIMCARE results to other services and jurisdictions	\$92,550	1	SOBOLEV, Boris G; LEVY, Adrian R	BELL, Nathaniel J; FRADET, Guy; KURAMOTO, Lisa K	Awarded
CIHR/ MSFHR	Using data for evidence-based emergency healthcare system optimization: A policy-relevant integrated strategy for British Columbia	\$450,000		MARSDEN; SOBOLEV, Boris G		Awarded
FBCBCGS	Evaluating the peri-operative process in a surgical setting through simulation modeling	\$17,500	1	TSURUDA, Kaitlyn	LEVY, Adrian R; SOBOLEV, Boris G	Awarded
CIHR	Phase Ib: Clinical Decision Rule for High Risk TIA Patients in the ED	\$800,000	4	HOHL, C		Not awarded

B Grants submitted in 2010 *continued*

GRANTING AGENCY	SUBJECT	\$	YRS	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR(S)	OUTCOME
CIHR	Validation of a Screening Strategy for Community-Based Adverse Drug Events in the Emergency	\$477,958	3	HOHL, C	ANDOLFATTO, G; BRUBACHER, J; DEMPSTER, L; HUNTE, G; PERRY, J; SHEPS, S; SINGER, J; WIENS, M	Not awarded
MRC	Preparatory study for the re-evaluation of the EQ-5D tariff	GBP 303,328	2	TSUCHIYA, A	BANSBACK, Nicholas	Awarded
CIHR	Can the Otago falls prevention program be delivered by video? A feasibility study	\$100,000	1	LIU-AMBROSE, Teresa Y	DAVIS, Jennifer C; LI, Linda C; MIRAN-KHAN, Karim	Awarded

ACRONYM	INSTITUTION
BCCSHH	BC Children's and Sunny Hill Hospitals
BCPSQC	BC Patient Safety and Quality Council
CIHR	Canadian Institute of Health Research
CNIB	Canadian National Institute for the Blind
FBCBCGS	Frederick Banting and Charles Best Canada Graduate Scholarships
GC/GBC	Genome Canada/Genome BC
MRC	Medical Research Council of Canada
MSFHR	Michael Smith Foundation for Health Research

ACRONYM	INSTITUTION
NCEC	Networks of Centres of Excellence of Canada
PCI	Pfizer Canada Inc
PHAC	Public Health Agency of Canada
SFU	Simon Fraser University
SSHRCC	Social Sciences and Humanities Research Council of Canada
VCHRI	Vancouver Coastal Health Research Institute
VF	Vancouver Foundation

C Publications

- 1 Anis AH, Zhang W, **Bansback N**, Guh DP, Amarsi Z, Birmingham CL. Obesity and overweight in Canada: An updated cost-of-illness study. *Obesity Reviews* 2010. 11(1):31-40.
- 2 **Balka, E.** & Rodje, K. How do we define for whom the bell curves? Measuring ethnicity in Canada. In A. Rudinow Sætnan, H. M. Lomell & S. Hammer, (Eds.), *By the very act of counting: The co-construction of statistics and society* (pp. 99-116). New York: Routledge.
- 3 **Balka, E.** From Categorization to public policy: The multiple roles of electronic triage. In A. Rudinow Sætnan, H. M. Lomell & S. Hammer, (Eds.), *By the very act of counting: The co-construction of statistics and society* (pp. 172-190). New York: Routledge.
- 4 **Balka, E.** Ghost charts and shadow records: Implication for system design. In C. Safran, S. Reti & H.F. Marin (Eds.), *MEDINFO 2010 - Proceedings of the 13th World Congress on Medical Informatics* (pp. 686-690). Cape Town International Convention Centre, Cape Town, South Africa, September 12-15, 2010. Fairfax, VA: IOS Press.
- 5 **Balka, E.** Obituary. Susan Leigh Star (1954-2010). *Social Studies of Science*, 2010 40, 647-651.
- 6 **Balka, E.**, Broadening discussion about participatory design: A response to Kyng. *Scandinavian Journal of Information Systems*, 2010 22(1), 77-84.
- 7 **Balka, E.**, Krueger, G., Holmes, B.J. & Stephen, J.E. Situating Internet use: Information-seeking among young women with breast cancer [Special Issue: Ehealth and the Delivery of Health Care]. *Journal of Computer-Mediated Communication*, 2010 15(3), 389-411.
- 8 **Balka, E.**, Tolar, M., Coates, S. & Whitehouse, S. Socio-technical challenges in implementing safe patient handovers in care. *Studies in Health Technology and Informatics*, 2010 157, 206-212.
- 9 **Bell N**, Schuurman N, Hameed SM, Caron N. Are we homogenizing risk factors for public health surveillance? Variability in severe injuries on First Nation Reserves in British Columbia, 2001 – 2005. *Injury Prevention* (in press).
- 10 Best A, **Mitton C**, **Smith N**, Bitz J, Terpstra J, Millar J. Systems strategies for knowledge to action in health care: Review of conceptual models and the Canadian context. Presentation to the 11th International Congress of Behavioral Medicine. Washington DC. August 2010. *International Journal of Behavioural Medicine*, 2010 17: Supplement 1, S102.
- 11 **Brasher PMA**, Brant RF. Pictures worthy of a thousand words. *Canadian Journal of Anesthesia* 2010;57:961-965.
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- 13 Bryan S**, Andronis L, Hyde C, Connock M, Fry-Smith A, Wang D. Infliximab for the treatment of acute exacerbations of ulcerative colitis. *Health Technol Assess*. 2010 May;14 Suppl 1:9-15.
- 14 Bryan S**, Dormandy E, Roberts T, Ades T, Barton P, Juarez-Garcia A, Andronis L, Karnon J, Marteau TM. The cost-effectiveness of primary care screening for sickle cell and thalassaemia. *British Journal of General Practice* (in press)
- 15 Bryan S**, Jowett S. Hypothetical versus real preferences: results from an opportunistic field experiment. *Health Economics*. 2010 Dec;19(12):1502-9.
- 16 Cameron ID**, Kiel DP, Birge SJ, Kannus P, **Khan KM**, Lauritzen JB, Howland J, Evans SL, Minns J, Laing AC, Cripton PA, Derler S, Plant D, Robinovitch SN. Hip Protectors: Recommendations for Conducting Clinical Trials – an International Consensus Statement (Part 2). *Osteoporosis International* (in press)
- 17 Cameron**, Kiel DP, Howland J, **Khan KM**, Lauritzen JB. Hip Protectors: Recommendations for Biomechanical Testing – an International Consensus Statement (Part 1). *Osteoporosis International* 2009 Oct 6.
- 18 Cheng S Y**, Levy A R, Lefaivre K A, Guy P, **Kuramoto L**, **Sobolev B**. Geographic trends in incidence of hip fractures: a comprehensive literature review. *Osteoporosis International*. (in press)
- 19 Cornelisen E**, **Mitton C**, Sheps S. Knowledge Translation in the Discourse of Professional Practice. *Evidence-Based Healthcare* (In press).
- 20 Davis JC**, Hsuing R, Liu-Ambrose T. Challenges moving forward with economic evaluations of exercise intervention strategies aimed at combating cognitive impairment and dementia. *British Journal of Sports Medicine* (Online First, doi:10.1136).
- 21 Davis JC**, Marra CA, Beattie L, Robertson MC, Najafzadeh M, Graf P, Nagamatsu L, Liu-Ambrose T. Are the cognitive and economic benefits of resistance training sustained among community-dwelling senior women? A one-year follow-up study of the Brain Power study. *Archives of Internal Medicine* 2010;170(22):2036-2038.
- 22 Davis JC**, Marra CA, Liu-Ambrose T. Falls-related self-efficacy is independently associated with health related quality of life in older women. *Age and Ageing* (in press).
- 23 Davis JC**, Marra CA, Najafzadeh M, Liu-Ambrose T. The Independent Contribution of Executive Functions to Health Related Quality of Life in Older Women. *BMC Geriatrics* 2010 10:16.
- 24 Davis JC**, Marra CA, Robertson MC, **Khan KM**, Najafzadeh M, Ashe M, Liu-Ambrose T. Economic evaluation of dose-response resistance training in older women: a cost effectiveness and cost utility analysis. *Osteoporosis International* (Online First).

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- 27 **Davis JC**, Robertson MC, Ashe MC, **Khan KM**, Marra CA. International comparison of cost of falls in older adults living in the community: a systematic review. *Osteoporosis International* 2010 Aug;21(8):1295-306.
- 28 **Davis JC**, Robertson MC, Comans T, Scuffham P. Guidelines for Reporting and Conducting Economics Evaluation of Falls Prevention Strategies. *Osteoporosis International* (Online First).
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- 30 **Dionne F**, **Mitton C**, Turnbull R. How two years of Program Budgeting and Marginal Analysis have helped bring financial sustainability to a seniors' care organization. *Health Care Management FORUM* (in press).
- 31 Donaldson C, Bate A, **Mitton C**, **Dionne F**, Ruta D. Rational Disinvestment. *QJM* 2010 (in press).
- 32 Donnelly BJ, Saliken JC, **Brasher PMA**, Ernst SD, Rewcastle JC, Lau H, Robinson J, Trpkov K. A Randomized Trial of External Beam Radiothera[y with Cryoablation in Patients with Localized Prostate Cancer. *Cancer* 2010;116:323-330.
- 33 Dormandy E, **Bryan S**, Gulliford MC, Roberts TE, Ades AE, Calnan M, Atkin K, Karnon J, Barton PM, Logan J, Kavalier F, Harris HJ, Johnston TA, Anionwu EN, Davis V, Brown K, Juarez-Garcia A, Tsianakas V, Marteau TM. Antenatal screening for haemoglobinopathies in primary care: a cohort study and cluster randomised trial to inform a simulation model. The Screening for Haemoglobinopathies in First Trimester (SHIFT) trial. *Health Technol Assess.* 2010 Apr;14(20):1-160.
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- 37 Etminan M**, Smali A, Brophy J. Statin use and risk of epilepsy: A nested-case control study. *Neurology* 2010;75:1496-500.
- 38 Etminan M**. Long-term use of oral bisphosphonates increases the risk of oesophageal but not gastric or colorectal cancer. *Evid Based Med* 2011;16(1):28-9.
- 39 Fox JL**, Vu E, **Doyle-Waters M**, **Brubacher JR**, Abu-Laban RB, Hu Z. Prophylactic hypothermia for severe traumatic brain injury: a quantitative systematic review. *Can J Emerg Med* 2010;12:355-364.
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- 43 Hohl C M**, Nosyk B, **Kuramoto L**, Zed P J, **Brubacher J R**, Abu-Laban R B, Sheps S B, **Sobolev B**. Outcomes of emergency department patients presenting with adverse drug events. *Annals of Emergency Medicine*. (in press)
- 44 Hohl C**, Nosyk B, **Kuramoto L**, **Sobolev B**, Zed P, **Brubacher JR**, Abu-Laban R, Sheps S. Outcomes of Patients who Present to the Emergency Department because of an Adverse Drug Event. *Annals of Emergency Medicine* (in press)
- 45 Hohl CM**, Abu-Laban RB, Zed PJ, **Brubacher JR**, Tsai G, Kretz P, Nemethy K, Purssell RA. Patient-reported adverse drug-related events from emergency department discharge prescriptions *CJEM* 2010;12:331-8
- 46 Hohl CM**, Zed PJ, Abu-Laban RB, **Brubacher JR**, Loewen PS. Do Emergency Physicians Attribute Drug-Related Emergency Department Visits to Medication-Related Problems? *Ann Emerg Med* 2010;55:493-502.

- 47** Jafari S, Copes R, Baharlou S, **Etminan M**, Buxton J. Tattooing and the risk of transmission of hepatitis C: a systematic review and meta-analysis. *Int J Infect Dis* 2010;14:e928-40
- 48** Janda S, Young A, **Fitzgerald JM**, **Etminan M**, Swiston J. The effect of statins on mortality from severe infections and sepsis: A systematic review and meta-analysis. *J Crit Care* 2010;25:656.e7-22.
- 49** Kaambwa B, **Bryan S**, Gray J, Milner P, Daniels J, **Khan KS**, Roberts TE. Cost-effectiveness of rapid tests and other existing strategies for screening and management of early-onset group B streptococcus during labour. *British Journal of Obstetrics & Gynaecology*. 2010 Dec;117(13):1616-27.
- 50** **Khan K**. Is open peer review the fairest system? No. *BMJ*. 2010 Nov 16;341:c6425. doi:10.1136/bmj.c6425
- 51** **Khan KM**, **Davis JC**. A week of physical inactivity has similar health costs to smoking a packet of cigarettes. *British Journal of Sports Medicine* 2010 May;44(6):395.
- 52** **Khan KM**, Kreps C. Tendinosis and Tendon Injury, *Textbook of Running Medicine* (2nd edition) R Wilder, F O'Connor, E Magrum 2010
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- 54** Lang, RT, Iverson, GL, **Brubacher, JR**, Mädle, B, Heran M, MacKay A, & Adolfo G. Diffusion Tensor Imaging Findings are Not Strongly Associated with Post-Concussional Disorder Two Months following Mild Traumatic Brain Injury. *J Head Trauma Rehabilitation* (in press)
- 55** Lange RT, Iverson GL, **Brubacher JR**, Franzen MD. Effects of Blood Alcohol Level on Glasgow Coma Scale Following Traumatic Brain Injury. *Brain Injury* 2010;24:919-927
- 56** Lange, R.T., **Brubacher, J.**, Iverson, G.L. Clinical Utility of the Protein S100B to Evaluate Traumatic Brain Injury in the Presence of Acute Alcohol Intoxication. *Journal of Head Trauma Rehabilitation*. (in press)
- 57** Lange, RT, **Brubacher J**, Iverson G, Procyshyn RM, Mitrovic S: Differential Effects of Alcohol Intoxication on S100B Levels Following Traumatic Brain Injury. *The Journal of Trauma, Injury, Infection, and Critical Care*. *J Trauma*. 2010;68:1065-71.
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- 72** **Mitton C**, Peacock S, Storch J, Smith N, Cornelissen E. Moral Distress among Health System Managers: Exploratory Research in two British Columbia Health Authorities. *Health Care Anal*. 2010 Mar 9. [Epub ahead of print]
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- 91** Tolar, M. & **Balka, E**. Infrastructure in the making: The case of an EMR system in a general practice setting. Proceedings of AHIC 2010: The Realities of eHealth, Advances in Health Informatics Conference. University of Waterloo, Health Sciences Campus, Kitchener, Canada, April 28 - 30, 2010. (DVD Only). **(Chosen as one of the Top 10 paper submissions)**.

- 92** Weins W, Grunau B, **Brubacher JR**. Dantrolene in the Treatment of MDMA Hyperpyrexia: A Systematic Review. *CJEM* 2010;12:435-442
- 93** Whitehurst DG, **Bryan S**, Hay EM, Thomas E, Young J, Foster NE. Cost-Effectiveness of Acupuncture Care as an Adjunct to Exercise-Based Physical Therapy for Osteoarthritis of the Knee. *Phys Ther.* (in press)
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- 95** Zhang W, **Bansback N**, Boonen A, Young A, Singh A, Anis AH. Validity of the Work Productivity and Activity Impairment questionnaire - General Health version (WPAI-GH) in patients with rheumatoid arthritis. *Arthritis Research and Therapy.* 2010 Sep 22;12(5):R177.

D Presentations

- 1 **Dionne F, Mitton C.** Menno place. Society of Priorities in Health Care's Biennial Conference - Priorities 2010: Priority Setting in Difficult Economic Times, Boston, MA, April 23-25, 2010.
- 2 Babul S, Frendo T, Winters M, **Brubacher JR**, Chipman ML, Chisholm M, Crompton PA, Cusimano MD, Friedman SM, Harris MA, Hunte GS, Reynolds CCO, Teschke K. Injuries to Adult Cyclists in Toronto and Vancouver: Describing the Circumstances as a First Step Towards Injury Prevention. World Injury Prevention Conference in London, England, September 2010
- 3 **Balka E.** Explorations in performativity and enactment: Ethnography and art as subjects of inquiry for STS. European Association for the Study of Science and Technology (EASST) Conference, 2010. Practicing science and technology, performing the social. Trento, Italy, September 2-4, 2010
- 4 **Balka E.** Ghost charts and shadow records: Implication for system design. 13th World Congress on Medical and Health Informatics (Medinfo 2010). Cape Town International Convention Centre, Cape Town, South Africa, September 12-15, 2010.
- 5 **Balka E.** Socio-technical challenges in implementing safe patient handovers in care. IT in Health Care: Socio-technical Approaches, Fourth International Conference (ITHC 2010), Aalborg, Denmark, June 22-24, 2010.
- 6 **Bansback N**, Brazier J, Tsuchiya A, Anis A. Using a discrete choice experiment to estimate health states utility values. Society for Medical Decision Making. Toronto.
- 7 **Bansback N.** Using a Discrete Choice Experiment to Estimate Health Utility Values, McMaster University, Clinical Epidemiology & Biostatistics Rounds, Hamilton, Ontario, Canada 26 May, 2010
- 8 **Bansback N.** Using a Discrete Choice Experiment to Estimate Health Utility Values School of Health and Related Research Rounds, Vancouver, BC, Canada 12 Feb, 2010
- 9 Baugh Littlejohns, L., & **Smith, N.** Building bridges between health promotion and social sustainability: An analysis of municipal policies and practices in Western Canada. Presentation to the 20th IUHPE World Conference on Health Promotion and Health Education. Geneva. July 2010. <http://www.iuhpeconference.net/downloads/en/Programme/PDFs/Baugh-Littlejohns-Lori.pps.pdf>

- 10 Best A, Aro A, Fisher E, **Mitton C, Smith N**, Bitz J, Terpstra J, Miller J. Systems Strategies for Knowledge to Action in Health Care: Review of Conceptual Models and the Canadian Context. 11th International Congress of Behavioral Medicine, Washington, DC., 4-7 August 2010
- 11 Best, A., **Mitton, C., Smith, N.**, and Bitz, J. Systems strategies for knowledge implementation: A review of conceptual models. Panel presentation at the 3rd Annual NIH Conference on the Science of Dissemination and Implementation. Bethesda, MD. March 2010. http://obssr.od.nih.gov/news_and_events/conferences_and_workshops/DI2010/documents/ConcurrentSession4/4D_Best_SystemsStrategies.pdf
- 12 **Brubacher J.** “Motor vehicle-related injury in British Columbia: Are injury prevention efforts failing our rural communities?”, Rounds presentation, Department of Surgery, University of British Columbia, Vancouver BC, July 21, 2010
- 13 **Bryan S**, Dormandy E, Roberts T, Ades T, Barton P, Juarez-Garcia A, Andronis L, Karnon J, Marteau TM. The cost-effectiveness of primary care screening for sickle cell and thalassaemia. Canadian Association for Health Services and Policy Research (CAHSPR). Toronto, May 10-13, 2010.
- 14 **Bryan S**, Murphy J, **Doyle-Waters M**, **Kuramoto L**, Ayas N, **Mitton C**, McGregor M. Is it really necessary to have a registered nurse available 24-hours in long term care facilities? Evidence form a systematic review. Centre for Health Services and Policy Research annual conference, Vancouver, March 30-31, 2010.
- 15 Chan H, **Brubacher JR.** Using CTAS chief complaints to categorize emergency department (ED) visits. Presented at the Canadian Association of Emergency Physicians Annual Scientific Conference, Montreal, May 2010.
- 16 **Davis JC**, **Doyle-Waters M**, **Bryan S**. Why are patient-reported outcomes not routinely measured in Canada? Learning from literature and a clinical case study. Canadian Association for Health Services and Policy Research, Toronto, Ontario, May 9-12, 2010.
- 17 **Davis JC**, **Doyle-Waters M**, Teresa Liu-Ambrose **Bryan S**. Why are patient-reported outcomes not routinely measured in Canada? Learning from literature and a clinical case study. Falls Prevention Conference, Vancouver, British Columbia, March 22-24, 2010.
- 18 **Davis JC**, **Doyle-Waters M**, Liu-Ambrose T, **Bryan S**. Why Are Patient-Reported Outcomes Not Routinely Measures in Canada? A Systematic Review 4th Annual Australian and New Zealand Falls Prevention Conference, Dunedin, New Zealand November 2010.
- 19 **Davis JC**, Liu-Ambrose T, **Khan K**, **Bryan S**. ICECAP-O and EQ-5D in a falls prevention setting: are they compliments or substitutes? Canadian Agency for Drugs and Technologies in Health, Vancouver, BC, April 3-5, 2011.

- 20** **Davis JC**, Liu-Ambrose T, **Khan K**, Robertson MC, Marra CA. A prospective comparison of the SF-6D and the EQ-5D yield values that differ threefold: Implications for decision-makers. Canadian Agency for Drugs and Technologies in Health, Vancouver, BC, April 3-5, 2011.
- 21** **Davis JC**, Liu-Ambrose T, Robertson C, Najafzadeh N, Marra C A Prospective Comparison of the SF-6D and EQ-5D in Older Women 4th Annual Australian and New Zealand Falls Prevention Conference, Dunedin, New Zealand November 2010.
- 22** **Davis JC**, Marra CA, Ashe MC, **Khan KM**, Robertson MC, Liu-Ambrose T. Economic Evaluation of Dose-Response Resistance Training Among Older Women: A Cost Effectiveness and Cost Utility Analysis Analysis. Canadian Agency for Drugs and Technologies in Health. Halifax, Nova Scotia, April 18-20, 2010.
- 23** **Davis JC**, Marra CA, Ashe MC, **Khan KM**, Robertson MC, Liu-Ambrose T. Economic Evaluation of Dose-Response Resistance Training Among Older Women: A Cost Effectiveness and Cost Utility Analysis Analysis. Falls Prevention Conference, Vancouver, British Columbia, March 22-24, 2010.
- 24** **Davis JC**, Marra CA, **Bryan S**, Liu-Ambrose T Falls-Related Self-Efficacy is Independently Associated with Health Related Quality of Life in Older Women 4th Annual Australian and New Zealand Falls Prevention Conference, Dunedin, New Zealand November 2010.
- 25** **Davis JC**, Marra CA, Robertson MC, **Khan K**, Liu-Ambrose T Economic Evaluation of a Dose-Response Resistance Training Intervention in Older Women 4th Annual Australian and New Zealand Falls Prevention Conference, Dunedin, New Zealand November 2010.
- 26** **Davis JC**, Marra CA, Robertson MC, Najafzadeh M, Liu-Ambrose T Are the Economic Benefits of Resistance Training Sustained Among Community – Dwelling Senior Women? 4th Annual Australian and New Zealand Falls Prevention Conference, Dunedin, New Zealand November 2010.
- 27** **Davis JC**, A Comparison of the ICECAP-O and EQ-5D in a Falls Prevention Clinical Setting: Are they complements or substitutes? ICECAP Users' Workshop, Birmingham, UK, February 16, 2011.
- 28** **Davis JC**, Economic evaluation for strategies aimed at combating cognitive decline, Symposium on Exercise to Promote Cognitive Health and Functional Independence, Vancouver, BC, May 27, 2010.
- 29** **Davis JC**, Health economic studies in vulnerable seniors, Centre for Clinical Epidemiology and Evaluation, Vancouver, BC, January 11, 2010
- 30** **Davis JC**, Outcome-based Performance Metrics in Health Care: Has Their Time Come? Centre for Clinical Epidemiology and Evaluation, Vancouver, BC, October 18, 2010.

- 31 **Davis JC**, Risk assessment, screening and control charts, 4th Annual Australian and New Zealand Falls Prevention Conference, Dunedin, New Zealand, November 23, 2010.
- 32 **Davis JC**, Seniors at high risk of falls: clinical and economic studies, Arthritis Research Centre Rounds, Vancouver, BC, June 11, 2010.
- 33 Filiatrault L, McKay RM, Patrick DM, **Brubacher JR**, Quan G, Roscoe DL, Collins KM. Antibiotic Resistance in Isolates from Women with Urinary Tract Infections (UTI) Presenting to a Tertiary Care Emergency Department (ED). AMMI Canada - CACMID Annual Conference 2010, Edmonton, May 2010.
- 34 Frendo T, Winters M, Babul S, **Brubacher JR**, Chipman ML, Cripton PA, Cusimano MD, Friedman SM, Harris MA, Mulpuri K, Reynolds CCO, Teschke K. Injuries to adult cyclists: Describing the circumstances as a first step towards injury prevention. American Public Health Association Annual Meeting, Denver, CO, November 2010.
- 35 Friedman SM, **Brubacher J**, Chisholm D, Hunte G, Frendo T, Winters M, Babul S, Chipman M, Cripton P, Cusimano M, Harris MA, Reynolds C, Teschke K. Circumstances of Injuries to Cyclists Resulting in Emergency Department Visits in Toronto & Vancouver. Presented at the Canadian Association of Emergency Physicians Annual Scientific Conference, Montreal, May 2010.
- 36 Hameed SM, **Bell N**. The role of geomatics in trauma systems evaluation. In Trauma Association of Canada Annual Meeting, Halifax, Nova Scotia, May 2010.
- 37 **Hohl CM**, **Brubacher JR**, Singer J. Emergency Physicians Attitudes about Routine Screening for Adverse Drug Events. Presented at the Canadian Association of Emergency Physicians Annual Scientific Conference, Montreal, May 2010.
- 38 **Hohl CM**, Nosyk B, Zed PJ, **Kuramoto L**, **Brubacher J**, Sheps S, Abu-Laban RB, Loewen PS, Sobolev B. Outcomes of Patients who Present to the Emergency Department because of an Adverse Drug Event. Presented at the Canadian Association of Emergency Physicians Annual Scientific Conference, Montreal, May 2010.
- 39 **Khan, K**. European College of Sports Physicians Congress, 'Mechanotherapy – How mechanical loading influences tissue repair with particular reference to tendon overuse injuries' London, September 2010.
- 40 **Khan, K** Australian and New Zealand Falls Prevention Congress, 'Falls prevention in high risk groups: A Canadian perspective' November 2010.
- 41 Lange RT, Iverson GL, **Brubacher J**. Clinical Utility of the Protein S100B to Evaluate Traumatic Brain Injury in the Presence of Acute Alcohol Intoxication. Presented at the 30th Annual Meeting of the National Academy of Neuropsychology, Vancouver, British Columbia, October, 2010.

- 42** **Mitton C**, Best A, **Smith N**, Bitz J, Terpstra J. A meta-narrative synthesis of conceptual models for knowledge-to-action. Manitoba Centre for Health Policy 20th Anniversary Conference, March 8-9, 2010.
- 43** **Mitton C**, Best A, **Smith N**, Bitz J, Terpstra J. Models for knowledge-to-action: drawing lessons for decision makers. Canadian Association for Health Services and Policy Research (CAHSPR). Toronto, May 10-13, 2010.
- 44** **Mitton C**, **Dionne F**, Baker C. Resource allocation at St. Joseph's Health Centre: evidence informed solutions in uncertain economic times. Canadian Association for Health Services and Policy Research (CAHSPR). Toronto, May 10-13, 2010.
- 45** **Mitton C**, **Dionne F**, Baker C. SJHC. Society of Priorities in Health Care's Biennial Conference - Priorities 2010: Priority Setting in Difficult Economic Times, Boston, MA, April 23-25, 2010.
- 46** **Mitton, C**. Building on economic evaluation. Centre for Hip Health and Mobility, Vancouver, May 24, 2010.
- 47** **Mitton, C**. Developing a framework for health care priority setting. Capital District Health Authority, Halifax, Sept. 21, 2010.
- 48** **Mitton, C**. Maximizing the opportunity to use PBMA. Northern Health Authority, Prince George, BC, Aug. 14, 2010.
- 49** **Mitton, C**. Program budgeting and marginal analysis. University of Calgary. March 31, 2010.
- 50** **Mitton, C**. Rationing is here to stay: developing a framework for health care priority setting. Dalhousie University, Sept. 21, 2010.
- 51** **Mitton, C**. What is KT and how is it relevant to me? Child and Family Research Institute, Vancouver, March 9, 2010.
- 52** **Mitton, C.**, Best, A., **Smith, N.**, Bitz, J., and Terpstra, J.L. A meta-narrative synthesis of conceptual models for knowledge-to-action. Poster presented at "Going for the Gold" 20th Anniversary conference of the Manitoba Centre for Health Policy. Winnipeg, MB. March 2010.
- 53** **Mitton, C.**, Best, A., **Smith, N.**, Bitz, J., and Terpstra, J.L. Models for knowledge to action: Drawing lessons for decision makers. Presentation to the 2010 Canadian Association for Health Services and Policy Research conference. Toronto, ON. May 2010.

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- 55** Peacock S, **Mitton C**, Cromwell I. How to incorporate multi-criteria decision frameworks into economic evaluations and decision-making. Institute for Health Economics Inaugural Methodology Forum: Prioritizing Methodological Research in Evaluation of Health Technologies. Edmonton, Canada, September 2010.
- 56** **Poureslami I**. Oral presentation at “CLH research and policy day symposium on airways disease”, Vancouver, March 2010
- 57** **Poureslami I**. Oral presentation at “Trans-cultural Health Conference”, Calgary, May 2010
- 58** **Poureslami I**. Oral presentation at PHABC conference on “Addressing Health Inequities through Literacy and Health Literacy”, Vancouver, April 2010
- 59** Schulzer M, **Kuramoto L**, Cragg . Centre for Clinical Epidemiology and Evaluation Rounds, “Longitudinal progression in Parkinson’s Disease: A statistical analysis”, May 2010
- 60** **Smith N**, **Mitton C**. Using Evaluation Theory to Improve Priority Setting in the Healthcare Sector. International Society of Priorities in Health Care’s Biennial Conference - Priorities 2010: Priority Setting in Difficult Economic Times, Boston, MA, April 23-25, 2010.
- 61** **Smith, N**. Maximizing value from a low-budget evaluation: The East Kootenay “Creating Links, Building Action for FASD” project. Presentation to the 2010 Canadian Evaluation Society annual meeting. Victoria, BC. May 2010.
- 62** **Smith, N.**, & **Mitton, C**. Using evaluation theory to improve priority setting for healthcare. Presentation to the 8th International Conference on Priorities in Health Care. Waltham, MA. April 2010. <http://org.uib.no/healthcarepriorities/ConferenceMaterialsPlain.html>
- 63** **Sobolev B**, **Sanchez V**. Evaluation of methods for scheduling clinic appointments. 6th International Conference on Quantitative Modelling in the Management of Health Care. Institute for Mathematics and Applications, London, UK, March 29–31, 2010.
- 64** Whitehurst D, **Bryan S**. Another Study Showing that Two Preference-Based Measures of Health-Related Quality of Life (EQ-5D and SF-6D) are not Interchangeable. But why Should we Expect Them to be? Canadian Association for Health Services and Policy Research (CAHSR). Toronto, May 10-13, 2010.