



MANITOBA CENTRE FOR HEALTH POLICY

Annual Report

2006/2007

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Department of Community Health Sciences
Faculty of Medicine, University of Manitoba



UNIVERSITY
OF MANITOBA

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The Manitoba Centre for Health Policy (MCHP) is a research unit within the Department of Community Health Sciences, Faculty of Medicine at the University of Manitoba.

VISION

MCHP sets the international standard for using population-based secondary data to create new knowledge that informs health policy, social policy and service delivery.

VALUES

*Innovation and Excellence
Collaboration and Teamwork
Social Relevance and Stewardship*

MISSION

MCHP is a research centre of excellence that conducts world class population-based research on health services, population and public health, and the social determinants of health. MCHP develops and maintains the comprehensive population-based data repository on behalf of the Province of Manitoba for use by the local, national and international research community. MCHP promotes a collaborative environment to create, disseminate and apply its research. The work of MCHP supports the development of policy, programs and services that maintain and improve the health of Manitobans.

Message from the Director



As I write this message, I am entering my third year as Director of an organization that is recognized for conducting world class population-health research. Directing the activities of MCHP is rewarding and challenging.

Over the past year I have been invited to speak in nine out of ten of

Canada's provinces to tell the story of MCHP and what we do. We have also worked diligently on revising and updating MCHP's Strategic Plan (including our mission, vision, values and goals), based upon feedback from our Review Team last December, our Advisory Board, MCHP staff, university Department & Faculty, and government.

What we do has not changed since 1991, but has become more complex with the addition of numerous datasets and the changing environment of healthcare. Our focus remains the same, with our three 'pillars' being population/public health and health services research, maintaining the world-class Population Health Research Data Repository, and ensuring uptake of research findings through interaction with users of our research.

Around half of our funding is derived from our contract with Manitoba Health, which supports five annual research projects, as well as the Repository and knowledge translation activities. This year, for the first time since 1994, we negotiated a much-needed increase in our five-year contractual agreement with Manitoba Health. Many thanks to Paulette Collins, Heather Reichert, Louis Barre and Arlene Wilgosh for their tireless efforts during the negotiations.

Researchers at MCHP continue to be competitive and successful in local and national granting competitions. You'll want to check out all of the successes in this report, but here are a few highlights:

- Lisa Lix, CIHR New Investigator's Award, 2006-2011
- Alan Katz, Clinical Research Professorship in Population Medicine, from the Manitoba Medical Services Foundation, 2006-2008
- Malcolm Doupe, CIHR Pilot Project Grants in Aging, 2006/2007

The past year has brought changes to our Executive Management Team at MCHP. Dr. Lisa Lix is now the Associate Director, Repository; Dr. Alan Katz is the Associate Director, Research. They join myself, Paulette Collins (CAO), and Carole Ouelette (Executive Assistant) as members of the Executive Team. We were sad to see Dr. Carolyn De-Coster leave MCHP. She was an incredibly valued MCHP senior researcher, and worked with me as the Associate Director of Research - she mentored all of us!. We wish her continued research success in her new position with Calgary Health Region.

There are numerous people whom I wish to thank for their commitment and support; I apologize in advance for anybody that I might have overlooked:

- Members of our Advisory Board, especially our Chair, Dr. Brian Postl.
- Health Minister Theresa Oswald, Healthy Living Minister Kerri Irvin-Ross, and Deputy Health Minister Arlene Wilgosh, who maintain a strong interest in the policy implications of our work.
- Minister Peter Bjornson, Education, Citizenship and Youth and Deputy Minister Gerald Farthing; Minister Diane McGifford, Advanced Education and Training; Deputy Minister John Clarkson, Science, Technology, Energy and Mines; Former Health Minister Tim Sale; all of whom have encouraged and supported our research interests into healthy child initiatives and the broader determinants of health.
- Dean of Medicine Dean Sandham and Department Head John O'Neil who have supported new initiatives undertaken by MCHP.
- Louis Barre, Director of Health Information Management, Manitoba Health, our very able liaison with Manitoba Health.
- Numerous individuals who have provided input and feedback for our deliverables, especially those who have served on our Working Groups.
- All the MCHP researchers and staff who work tirelessly to assure the success of MCHP's activities!

A handwritten signature in black ink that reads "Patricia J. Martens". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Patricia J. Martens, PhD
Director and Associate Professor

1.0 RESEARCH

1.1 Deliverables

MCHP works under five-year contracts with Manitoba Health to produce six major research projects annually. These studies deal with health and social issues that can best be answered using the Repository. Topics are jointly decided upon by MCHP's Director and the Deputy Minister of Health.

All completed deliverables (reports, 4-page summaries and in some instances Excel spreadsheets), are available on our website at <http://www.umanitoba.ca/centres/mchp/> and then click on Reports.

Below is a list of projects that were completed and publicly released from April 1, 2006 to March 31, 2007.

1.1.1 Deliverables Completed

Application of Patient Safety Indicators in Manitoba: A First Look by Sharon Bruce, Heather Prior, Alan Katz, Mark Taylor, Steven Latosinsky, Patricia Martens, Carolyn De Coster, Marni Brownell, Ruth-Ann Soodeen and Carmen Steinbach (June 2006)

This project frames quality of care, not as a medical error issue but as an issue of patient safety. Indicators of patient safety were estimated for the province, as well as across hospitals and regions. Indicators of compromised patient safety are based on the work of organizations like the Agency for Healthcare Research and Quality and CIHI, as well as the advice of the Working Group. Examples of potential indicators in the study are: death in low-mortality surgical admissions, death in low-mortality medical admissions, post-operative wound dehiscence, and obstetrical trauma.

Defining and Validating Chronic Diseases: An Administrative Data Approach by Lisa Lix, Marina Yogen-dran, Charles Burchill, Colleen Metge, Nancy McKeen, David Moore and Ruth Bond (July 2006)

This deliverable established case definitions of various chronic diseases, using administrative data and examining what are the appropriate time spans (retrospective data) required for the most valid case definitions. There are some chronic diseases for which there are several case definitions, such as diabetes, so work would be needed to establish the most valid yet practical measure. There are others, such as arthritis, where very little work has been done to date. Valid and reliable case definitions will be useful for Manitoba Health and the RHAs to monitor the population's health status and to contribute to healthcare management reports.

Profiling Primary Care Physician Practice in Manitoba by Norman Frohlich, Alan Katz, Carolyn De Coster, Natalia Dik, Ruth-Ann Soodeen, Diane Watson and Bogdan Bogdanovic (August 2006)

The focus of this research was on developing indicators appropriate for monitoring the delivery of primary care in the province, at the level of the primary care physician's practice, not the individual patient. The purposes of the study were to develop indicators of primary care delivery, describe current patterns of primary care physician services delivery, and offer insights regarding variability in the scope, breadth, and quality of services delivered by primary care physicians. This study is methodological, building on earlier work by MCHP and breaking new ground in developing indicators of primary care with some preliminary analyses to demonstrate how the indicators could be used.

Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes by Malcolm Doupe, Marni Brownell, Anita Kozyrskyj, Natalia Dik, Charles Burchill, Matt Dahl, Dan Chateau, Carolyn De Coster, Aynsle Hinds and Jennifer Bodnarchuk (October 2006)

MCHP reviewed the quality of care in PCHs in 1993. With the change in how nursing homes are used, with more individuals entering at older ages for shorter stays, it is timely to revisit the issue of quality in PCHs. A previous MCHP report identified wide variation in the percentages of PCH residents transferred to hospitals near the end of life (Menec et al., 2004), which means that in some PCHs, individuals are much less likely to die “at home”, and suggests possible differences in quality of care. What set of indicators of quality of care in a PCH should be used, from an administrative database point of view? While there are no benchmarks for the majority of indicators, the variation between PCHs, and the possible reasons for this variation, is of interest to Manitoba Health, RHAs, individual PCHs and care providers.

1.1.2 Deliverables in Progress

Developing a Population-Based Funding Methodology for Manitoba’s Regional Health Authorities (PI: Greg Finlayson)

This project considers alternative approaches to funding that might reasonably be expected to meet the overall healthcare needs of Manitobans, while acknowledging the practical, policy and equity issues that are involved in funding health services. Since RHAs were established in 1997, their funding has been based on historical experience, and regional plans and budgets. Recently, Manitoba Health has provided RHAs with 5-year budget targets. If the healthcare needs of the population of each RHA were the same, a needs-based funding approach would simply take the total available resources and distribute them according to the size of the population in the RHAs (a ‘per capita’ funding approach). However, there are important considerations that must be taken into account. These include age and sex, the difference in need for health services across regions, and specialized care received outside a person’s region of residence. This research will not determine the ‘right’ amount of funding to meet healthcare needs, but rather will consider the best way to distribute available funds to improve the overall health of the Manitoba population.

Assessing Surgical Waiting Times Using Administrative Data and Patient Registries (PI: Carolyn De Coster)

MCHP has looked at elective surgery waiting times for a number of procedures from 1992/93 to 1998/99. This method of measuring waiting times, i.e., using a pre-operative visit to the surgeon to flag the beginning of the wait, has been validated through chart review for elective general surgery procedures. This deliverable will update these analyses by adding five more years of data. In addition, waiting time registry data, for cardiac, hip/knee replacement and cataract surgery, are being explored to provide further validation for administrative data methods for estimating wait times, and to explore additional patient characteristics that might explain the variation in wait times. This study will explore such issues as: Have waiting times changes since the 1998/99 study? Can waiting list registry data be used to validate the use of administrative data to estimate waiting times? Is there variation in outcomes associated with different wait times? Do wait times vary by age, sex, socioeconomic status, region of residence?

Analysing the Urgent Care and Emergency Room (ER) Datasets of Winnipeg (PI: Malcolm Doupe)

When significant new databases are incorporated into the Repository, it is necessary to document the fields available, what they mean, and perform checks on the completeness, reliability and validity of the new data. That is the task of this deliverable with respect to ER and Urgent Care data for Winnipeg hospitals. Preliminary analyses will also be conducted to describe the characteristics of ER users, with special interest on frequent users of ER/Urgent Care services. The findings from this report will assist health system planners to understand the types of demands on emergency room services, how patterns of ER utilization have changed over time, and why patients visit ER.

The Costs of Hospital Care: Updating of the Manitoba Management Information System (MIS) Dataset (PI: Greg Finlayson)

The Manitoba Management Information System (MIS) contains data about the management of health services in the province. Financial and statistical data included in MIS are important indicators of performance and can be used to provide micro- and macro-level costing of health services. Updated cost indicators would form the basis of population-level cost-based studies where hospital care is involved. This project will develop an updated “cost per weighted case” for inpatient and day procedures in Manitoba hospitals. It will also produce an updated “cost per hospital stay” for various types of cases (e.g., hip replacement, pneumonia), and average costs per weighted case for different hospital types in Manitoba (e.g., Winnipeg community hospitals, large rural hospitals).

Development of Composite Measures/Indices of Health and Health System Performance (Co-PIs: Colleen Metge and Dan Chateau)

While hundreds of indicators exist that measure specific aspects of health, use of health services, and health system performance, there is a lack of high quality composite measures in key strategic areas. For example, there is no single measure that tells us what is happening overall for “chronic diseases” or “quality of care” within the province. Indicators at the population/system-wide level would be useful for strategic planning and reporting. This project will, through a literature review, expert consultation and previous experience, construct composite indicators in three or four areas of health and healthcare. Indicators will be reported for Manitoba’s regions over time

Dynamic Physician Resource Projection Model (PI: Alan Katz)

This project will provide scenarios that incorporate different assumptions that have an impact on the demand for physicians in four key areas identified by Manitoba Health: Family Medicine, Paediatrics, General Surgery and Orthopaedic Surgery. Models will be developed that will project the service needs of the population given the changes in age and sex distribution predicted by the Manitoba Bureau of Statistics; and models that will project the required changes in the workforce to meet the expected demands of the changes in population characteristics given the physician characteristics, e.g., age, sex, average workloads, etc. MCHP will use historical data housed in the Population Health Research Data Repository to develop and test these models. The output of the project will not be a definitive answer to the question: “How many physicians are needed in Manitoba?” but will provide tools that can be used by Manitoba Health and potentially other organizations, such as the University of Manitoba’s Faculty of Medicine to project supply and demand under different conditions

Next Steps in the Provincial Evaluation of the BabyFirst Program: Measuring Early Impacts on Outcomes Associated with Child Maltreatment (Healthy Child Manitoba) (PI: Marni Brownell)

Manitoba’s BabyFirst program screens newborns for biological, social and demographic risk factors and provides community-based supports (e.g. home visits) to families in the program up to the time the target child is three years old. An important program goal is to ensure children’s physical health and safety. Phase I of the provincial evaluation (conducted by Healthy Child Manitoba) showed that after one year the program improved parental psychological well-being, positive parenting, and family participation in community health and social services. The goal of the current report is to take the next steps in the provincial evaluation of the BabyFirst program by addressing three specific objectives: 1) determine the utility of the BabyFirst screening form for identifying children at risk of maltreatment, 2) evaluate the impact of the BabyFirst home visiting program on selected outcomes associated with child maltreatment, and 3) examine trends in injuries in the child population of Manitoba, before and after introduction of the BabyFirst program in 1999-2000.

What Works? Evaluating Manitoba's Rural and Northern Regional Health Programs and Policies at the Population Level (PI: Patricia Martens)

Research on the effectiveness of health policies and programs is often focused on individual rather than regional effects. However, decision-makers and planners require evidence as to "what works" at the population level. This research proposes to examine eleven different regional health program or policy interventions, looking at effects over time both within and between Manitoba's regional health authorities (RHAs). A policy or program will be chosen for each RHA with input from Manitoba Health. Outcomes will be chosen from the Population Health Research Data Repository. Information on the characteristics of each program and policy will also be collected. Thus, changes within each region over time, and between regions, will be possible since comparative information will be collected on all 11 policies/programs for every RHA. This research will evaluate "what works" in health programs/policies at a population level to enable evidence-based decision-making. It will also extend existing methodology for quasi-experimental population-based evaluation designs using administrative databases. This is the fourth deliverable designated by Manitoba Health for *The Need To Know* Project.

Additional Resource Use by People Who Have a Chronic Disease (PI: Greg Finlayson)

MCHP has completed a deliverable that uses the administrative data to define who has a chronic condition, including arthritis, stroke, hypertension, heart disease, diabetes, and asthma. Now that it is possible to identify individuals with these conditions, there is opportunity to understand better the health outcome implications and health services patterns surrounding those populations. This deliverable would look at rates of health system use and extrapolate the cost of this 'extra' use by individuals with a chronic disease. The approach would be to "match" clients with and without certain selected chronic diseases (matched on such things as age, sex, region, and comorbidities), to determine the 'extra' resources required by those individuals with the chronic condition. The healthcare resources of interest would be hospitals, physicians and home care use.

Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications (PI: Anita Kozyrskyj)

The purpose of this deliverable is to determine the impact of provincial formulary listing decisions on the utilization of several commonly prescribed classes of medication within the population of Manitoba. We will evaluate the impact that different formulary listings (open access, limited access and special approval) and changes to these listings have on drug use within the population. Incident and prevalent drug utilization will be explored by age groups, socioeconomic status as well as region of residence. Drug classes of interest include: narcotic analgesics, non-steroidal anti-inflammatories, osteoporosis medications, antipsychotics, antihypertensives, diabetes medications, proton pump inhibitors, inhaled medications for asthma and chronic lung disease, psychostimulants for children and antibiotics.

Levels of Care for PCH Admission (PI: Malcolm Doupe)

Levels of care for PCH Admission were developed in the 1970s. Given the major changes in PCH use since that time, these levels may be in need of revision. Recent use of the PCH level of care admission data suggest that the current system for determining levels of care may not be adequate for health system management purposes. The existing Levels of Care also do not distinguish specific care requirements, for example, cognitive impairment or dialysis, which have implications for staff time and medical supplies budgets. Implementation of the Minimum Data Set (MDS) in both the Home Care Program and PCHs in Winnipeg provides significantly enriched patient "assessment data" that is directly pertinent to levels of care requirement. Both versions of the MDS tool contain a variety of measures that reflect an individual's cognitive health, IADL and ADL functional limitations, informal supports, and indicators of socioeconomic status. These measures can be linked to the administrative data at MCHP, to create a thorough portfolio of home care and PCH recipients' level and type of impairment, disability, health care and drug utilization, demographics, and informal sup-

ports. When combined, the MDS and administrative data can be used to identify long-term care recipients with a continuum of health, health care use and related characteristics.

Manitoba Child Health Atlas Update (PI: Marni Brownell)

This deliverable would provide an update of the 2001 Child Health Report (which was based on data from 1994/95 through 1998/99) and the online Child Health Atlas (based on data from 1997/98 through 2001/02), both of which provided comprehensive population-based descriptions of the health outcomes of Manitoba children at the regional and sub-regional levels. Along with a rich set of health and socioeconomic indicators developed using administrative health utilization and Census data, this deliverable would also include an analysis of the most recent cycle of the Canadian Community Health Survey, which contains detailed information on nutrition, and was over-sampled for Manitoba children.

1.2 Other Research

1.2.1 Endowments/Gifts

Endowed Chair in Child Health

Awarded by the Department of Science, Technology, Energy and Mines, Province of Manitoba to support an outstanding child health researcher to coordinate and lead child health research at MCHP. Available in June 2008.

Evelyn Shapiro Health Services Research Award

Provides support to a graduate student in the Faculty of Graduate Studies, specifically in the Faculty of Medicine, whose thesis research will use the Population Health Research Data Repository housed by the Manitoba Centre for Health Policy.

Health Sciences Centre/Winnipeg Regional Health Authority Award

An award of \$250,000 over the period April 2004 through March 2008, for the purpose of recruiting and training a systems analysts to carry out health services research using the Population Health Research Data Repository on topics of interest to the Winnipeg Regional Health Authority.

RBC Foundation Award for Research in Children's Health

A gift of \$750,000 over the period July 2003 through June 2008. These funds provide financial support for senior investigators, clinicians, visiting scholars, and graduate fellows to conduct research in the broader determinants of children's health.

The Lupina Foundation

A donation of \$685,000 over the period July 2005 to June 2010 for the project, "Research Knowledge Transfer—A Web-Based Concept Dictionary." This project enhances the MCHP research resources (Glossary, Concept Dictionary, Research Protocol).

1.2.2 Personnel Awards

- Alan Katz: Clinical Research Professorship in Population Health, Manitoba Medical Services Foundation Award, 2006 - 2009, \$150,000
- Lisa Lix: CIHR New Investigator Award, 2006 – 2011, \$275,000
- Patricia Martens: CIHR New Investigator Award, 2003 – 2008, \$275,000
- Patricia Martens: CIHR Knowledge Translation Award for Regional Impact, (P. Martens, MCHP and *The Need To Know* Team), 2006 – 2007, \$20,000
- Noralou Roos: Canada Research Chair in Population Health, 2001 - 2007, \$1,225,000

1.2.3 MCHP-Administered Research Grants

Canadian Institutes of Health Research

Brownell M, Kozyrskyj AL, Roos NP, Roos LL. \$229,600, 03/2005 – 02/2008. “Unpacking the Gradient, Digging Deeper: Exploring the Relationship Between Health and Socioeconomic Status in Children.”

Collins P, Slaughter PM, Weisbaum K, Hirtle M, Roos N, Martens P, Laupaucis A, McGrail K, Smith M. \$181,025, 06/2005 – 06/2006. “Harmonizing Research & Privacy: Standards for a Collaborative Future. Creating Consensus for a Privacy Voluntary Standard of HSPR (Phase III).”

Doupe M, Martens P, Menec V. \$48,949, 02/2006 – 01/2007. “Linking a Minimum Data Set with Administrative Data in Manitoba to Assess How These Records Agree and to Pilot Test if They Can Better Define Admissions to Nursing Home.”

Katz A, Doupe M. \$100,000, 10/2005 – 09/2008. “Testing the Effectiveness of Health Lines in Chronic Disease Management of Congestive Heart Failure.”

Lix L, Deverteuil G, Roos L, Robinson R, Walker R. \$216,506 10/2002 – 03/2007. “Mental Health Service Utilization and Population Mobility in Manitoba: A Longitudinal Analysis.”

Lix L, Bowman C, Baumgartner R, Hux E, Gumel A, Leslie W. \$77,400, 03/2006 – 02/2007. “Pilot Project Grant – Population and Public Health Research Methods and Tools.”

Martens PJ, Bowen S, Moffatt M, Roos LL. \$285,000, 02/2005 – 01/2008. “From Evidence to Action: Addressing Challenges to Knowledge Translation in Regional Health Authorities.”

Martens P, Black C. \$2,257,396, 01/2001 – 12/2006. “*The Need to Know*: Collaborative Research by MCHP, Manitoba Health and the Rural and Northern Regional Health Authorities.”

Martens P. \$95,000, 04/2006 – 12/2006. “CIHR IPPH-IHSPR Summer Institute: Using Population-Based Health and Health Services Data for Research: Challenges and Opportunities in an Intersectoral Environment.”

Roos LL, Lix L, Kozyrskyj AL. \$219,710, 10/2004 – 09/2006. “Exploring Alternative Funding Models for Canadian Health Care. Phase II.”

Canadian Population Health Initiative

Brownell M, Roos NP, Watson D, Black C, Roos L, Martens P, Kozyrskyj A, Lix L, Fransoo R, O'Neil J, Roberts J, Moffatt M, Chodirker B, Hertzman C, Offord D, Tremblay R, Willms D. \$488,015, 07/2003 – 06/2006. “Inequalities in Child Health: Assessing the Roles of Family, Community, Education and Health Care.”

Manitoba Health

Black C, Roos NP. \$9,250,000, 04/2003 – 03/2007. Manitoba Centre for Health Policy agreement.

Martens P. \$11,625,000, 04/2007 - 03/2012. Manitoba Centre for Health Policy agreement.

Martens P. \$50,000 06/2005 – 03/2008. Support of MCHP health information coding system c conversion from ICD9 to ICD10.

Manitoba Health Research Council

De Coster C. \$41,380, 2005 – 2006. “The Impact of Cataracts and Cataract Surgery on the use of Health-care for Injuries, Falls, Fractures and Dependence.

Lix L. \$47,396, 07/2005 – 06/2007. “Analysing multidimensional longitudinal data: Applications to health-related quality of life.”

Manitoba Science, Technology, Energy and Mines

Martens, P. \$250,000, 02/2007 – 03/2009. “MRIF Support for Manitoba Centre for Health Policy.”

Public Health Agency of Canada

Lix L. \$9,945, 12/2006 – 03/2007. Feasibility Study: “Use of Administrative Data Bases for Surveillance of Arthritis and Other Rheumatic Conditions in Canada.”

Martens P. \$9,999, 11/2006 – 06/2007. “Developing a Model and Indicators for Needs-Based Planning for Public Health Services: The First Steps (workshop).”

Social Sciences and Humanities Research Council of Canada

Brownell M, Willms JD. \$5,000, 10/2004 – 09/2005. “Raising and Leveling the Bar: INE: Collaborative Research Initiatives Program.”

Roos NP, Willms JD. \$31,500, 10/2004 – 09/2005: “Raising and Leveling the Bar: INE: Collaborative Research Initiatives Program.”

1.2.4 Other Research Grants (Accessing the Population Health Research Data Repository Housed at MCHP)

These projects are not run (financially or administratively) through MCHP, and may access data from other sources in addition to the Repository.

Personality and Alcohol Abuse - Wave 3. Murray RP, Barnes GE, Connett J, Tyas S, Lix L. CIHR, \$161,310. HSC Foundation, \$19,365.

Impact of Sleep Disorders on Health (and Extension of Utilization Studies to Include Narcolepsy and Restless Legs Syndrome). Kryger M, Roos L, Banno K, Chateau D, Ronald J, Manfreda J. NIH, \$662,856. April 2000 – March 2009.

Aging in Manitoba, Thirty Years Later: 2001. Payne B, Black C, Chipperfield J, Roos N, Shapiro E, Menec V, Finlayson M. CIHR, \$283,509. October 2000 – March 2007.

Origins of Asthma in Childhood: The Role of Gene: Environment Interactions, Phase II. Becker A, Douville R, Liem J, Kozyrskyj A. CIHR New Emerging Team Grant, \$1,250,000. July 2002 – June 2007.

Do Antibiotics in Early Life Contribute to the Development of Asthma in Children? Kozyrskyj A, Ramsey C, Becker A, Ernst P. CIHR Operating Grant, \$219,150. April 2003 - March 2008.

Clinical Determinants and Fracture Outcomes in Manitoba First Nations (Epidemiologic Study of Osteoporosis in Manitoba First Nations). Leslie W D, Cree M, Roos L, Lix L, Metge C, O'Neil J. CIHR, \$43,768. November 2003 – June 2007.

Medication Prescribing Patterns for Rural Older Manitobans. Grymonpre R, St. John P, Metge C, Hawranik P. CIHR \$83,659, September 2003 – March 2008

A Randomized Controlled Trial of a Bone Density Decision Aide in the Pharmacological Management of Osteoporosis. Leslie, W D, Kvern B, Metge C, Roe B, Taback S. Funded internally by the SBGH Nuclear Medicine Academic Account. March 2004 – June 2007

The Apgar Score as an Early Measure of Resilience. Jutte D, Boyce T, Syme L, Guèvremont A, Brownell M, Roos N. RBC Financial, \$60,000, March 2004 – June 2007.

Bone Mineral Density Measurement for Fracture Prediction. Leslie WD, Cranney A, Hodsman A, Morin S, Cree M, Lix L, Tsang J, Kang-Min, Z. Funded in part by an unrestricted educational grant from the CHAR/GE Healthcare Development Awards Programme. April 2004 – June 2007.

Characterizing the Prevalence and Predictors of High-Dose Proton Pump Inhibitor (PPI) Use in Manitoba (MMSF). Manitoba Medical Services Foundation, \$20,000. January 2005 – June 2007.

Costs, Access, and Equity Under Income-Based Pharmacare. Morgan S, Metge C, Barer M, Evans R, Kozyrskyj A. CIHR, \$487,000. October 2004 – October 2007.

Determining the Risk of GI Complications Among Users of NSAIDS Using Multiple Simultaneous Gastro-protective Strategies. Funded internally by the HSC Foundation. Targownik L, Fendrick M, Roos L. June 2004 – June 2007.

Prescription Medication Adherence Among Older Manitobans - Aging in Manitoba, 1996-2001. Grymonpre R, Metge C, Collins D. CIHR, \$75,292. January 2005 – December 2007.

First Nations Bone Health Study (FNBHS II) - Longitudinal Measurements and Outcomes. Leslie WD, Metge C, Weiler H, O'Neil J, Lix L, Greenberg C, Roos L. CIHR, \$759,724. September 2004 – August 2008.

Population Health Impact Assessment Tools - for Obesity and Diabetes Mellitus Type 2 (PHIAT-DM). Manuel D, Anderson G, Berthelot JM, Roos L, Mustard C, Booth G, Choi B, Hux J, Stukel T, Wu J, Maaten S. CIHR, \$628,306. January, 2005 - March, 2009.

A Comparison of Functional Outcomes, Costs, and Morbidity Between Elective Coronary Artery Bypass Graft Surgery and Elective Lower Extremity Joint Replacement. Bohm ER, De Coster C, Sawatzky J. Funded internally through the University of Manitoba Joint Replacement Group General Research Grants, \$5,000. Group. November 2004 – November 2007.

Understanding the Relationship Between Infant Health and Long-Term Well-Being. Stabile M, Saudino K, Oreopoulos P, Roos L. CIHR and SSHRC. January 2005 - January 2008.

Effect of Ontario's Universal Influenza Immunization Program (UIIP) on Influenza-Related Health Care Outcomes. Manuel D, Roos L, Law B, De Wals P, Kwong J, Marra F, McGeer A, Skowronski D, Stukel T, Svenson L, Upshur R. Health Canada, \$198,990. March 2005 – June 2007.

Influenza Immunization, an Indicator of Self-Care: Researchers' and Policy Makers' Roles in Increasing Immunization Coverage Among Older Manitobans and Canadians. Havens B, Payne B, Hall M, Menec V, Guse L. CIHR, \$240,545. April 2005 – March 2008.

Respiratory Health, Housing Conditions and School Absenteeism Among Nine-Year Old Children in Winnipeg. Polyzois D, Kozyrskyj A, Polyzois E, Thompson K. CIHR \$100,000 and Regional Partnership Program, \$71,500. September 2005 – August 2007.

A Study of Successful Aging in Manitoba. Payne B, Menec V, Chipperfield J, Tate R. SSHRC, \$148,882. July 2005 – June 2008.

The Town with No Poverty: The Long-term Consequences of a Canadian Guaranteed Annual Income Social Experiment. Forget E, Roos N, Hum D, Simpson W, Lobdell R, Grant H, Hikel R. CIHR, \$181,341. October 2005 – September 2008.

Maternal Stress in Early Childhood and the Development of Asthma: A Cohort Study of Health Care Database Records and Immune System Function. Kozyrskyj A, HayGlass K, Becker A, MacNeil B, McGrath P, Mai X-M. AllerGen NCE Inc., \$65,000. August 2005 – May 2008.

Use of Antipsychotic Agents in Manitoba: A Retrospective Analysis Using a Comprehensive Prescription Database - An Economic Impact. Alessi-Severin I, Silvia, Biscontri, Robert, Kozyrskyj, Anita, Collins, David, Enns, Murray, Sareen, Jitender. Manitoba Medical Service Foundation, \$35,000. January 2007 - December 2007.

Adolescent Females, Obesity and Asthma: An Inflammatory State. Kozyrskyj A, Becker A, Mai XM, Ramsey C. CIHR Interdisciplinary Capacity Enhancement Program, \$288,000/year. September 2005 – August 2012.

The Epidemiology of Persistent Good Health in Older Adults. Payne, Barbara, Menec, Verena, Tate, Robert. CIHR, \$97,572. October 2005 – November 2007.

Manitoba Women's Health Profile. Martens P, Haworth-Brockman M. Funding provided by Manitoba Health, the Bureau of Women's Health and Gender analysis, Health Canada, and Health Canada Prairie Region Office, \$50,000. April 2006 – December 2007.

Elucidating the Relationship between the Use of Antidepressant Drugs, Acid-Inhibitory Medications and the Risk of Adverse Gastrointestinal Outcomes. Targownik L. CIHR, May 2006 – June 2007.

Population-Based Analysis of the Relation Between Neighbourhood and Individual Characteristics and Health

Among Seniors. Menec V. Funded through Canada Research Chair in Healthy Aging. December 2005 – June 2009.

Successful Aging: My Definition or Yours? Payne B, Hall M. SSHRC, \$148,882. July 2006 – July 2007.

Pediatric Appendicitis Rupture Rates: An Indicator of Disparities in Manitoba's Health Care System? Bratu I, Chateau D, Leslie WD, Martens P, Katz A. Health Sciences Centre Foundation, \$35,000.

The Risk of Community-Acquired Sepsis During Use of Acid-Suppressive Medications. Laheij R, Drenth JPH, van Oijen M, Jansen JBMJ, Targownik L, Metge C. CIHR, August 2006 – September 2007.

Urban/Rural Differences in Access and Intensity of Use of Analgesics Among Older Manitobans: An Exploratory Study. Carrie A, Grymonpre R, Wiens C, Metge C, St. John P. CIHR's Institute of Aging and the Rural and Northern Health Research Initiative (HAS-63179), September 2006 – September 2007.

Prophylactic Antibiotic Use After Urinary Tract Infections in Manitoba Children with and without Urinary Tract Anomalies. Dart, Allison, Kozyrskyj, Anita, Ogborn, Malcolm. Manitoba Institute of Child Health, July 2006 – June 2007.

Preventative Practices in Manitoba Study. Katz, A. This study is funded as part of the MMSF Clinical Research Professorship in Population Medicine award. \$50,000/year, August 2006 – August 2007.

Antidepressant Prescribing to Children and Adolescents in Manitoba: Risk and the Impact of Health Canada Warnings. Katz L, Kozyrskyj A, Sareen J, Cox B, Enns M. Health Sciences Centre Foundation, \$34,815. October 2006 - September 2007.

Medical Relocation Among First Nations in Manitoba. Lavoie J, Forget E. Funded by the Intergovernmental Committee for First Nations Health in Manitoba, \$115,000. December 2006 – December 2007.

Long Term Use of Statins and Colorectal Cancer Risk: A Population-Based Cohort Study. Singh, Harminder, Turner, Donna, Kozyrskyj, Anita, Bernstein, Charles N., Mahmud, Salaheddin. Dr. Paul H.T. Thorlakson Foundation Fund and CancerCare Manitoba Foundation, \$71,326. December 2006 – November 2007.

Health and Health Care Utilization Patterns of People with Intellectual Disabilities. Shooshtari S, Martens P. Manitoba URGP Research Grants Program and University of Manitoba Faculty of Human Ecology Start Up Funds Program, \$23,948. January 2007 to December 2007.

The Effect of PPIs on the Risk of Adverse Upper Gastrointestinal Outcomes in Users of Cardioprotective Antiplatelet Agents. Targownik L, Metge C, Chateau D, van Oijen M, Spiegel B, Drenth JPH. Astra-Zeneca Canada, \$45,120. February 2007 – February 2008.

Mental Health Service Provision and Utilization in Winnipeg, Manitoba. Penfold R, Bowen S, Enns M, Fransoo R, Martens P, Chipperfield S, Strutt C. WRHA, \$13,500. August 2006 – September 2007.

Investigating Cardiac Adverse Events Associated with Pediatric Stimulant Use. Penfold R, Brownell M, Charach A, Kelleher K, Stevens J. WHRA, \$8,500. December 2006 – November 2007.

1.2.5 Ongoing Theses Projects Accessing the Population Health Research Data Repository housed at MCHP (April 1, 2006 to March 31, 2007)

Developing Rural Health Determinant Indicators: A Focus on Agricultural Pesticides and Farm Economics. Magoon, Jennifer (Defended November 2006)

Individual and Contextual Determinants of Mental Health Service Use in Manitoba: The Role of Geographic Mobility. Hinds, Aynslie (Defended August 2006).

How Does Health Status at Birth and Throughout Childhood Affect Children's Performance in School? Fransoo, Randy. In progress.

Rates of Diagnosis and Treatment of Attention Deficit Hyperactivity Disorder in Manitoba Children: Considering the Socioeconomic Gradient Across Age Groups. Yallop, Lauren. In progress.

1.2.6 Child Health Research

CPHI Project: Inequalities in Child Health: Assessing the Role of Family, Community, Education and Health Care

This project began in 2003 and is headed by MCHP senior researcher Marni Brownell. In June 2004 the first report on some of the work done on this project was released. *How Do Educational Outcomes Vary With Socioeconomic Status? Key Findings from the Manitoba Child Health Atlas 2004* provides an overview of key findings from the Child Health Atlas itself. The full Child Health Atlas Report is web-based only and was launched in July 2004. This site provides descriptive, population-based analyses of the health and educational outcomes of Manitoba children, at the level of health regions and sub-regions.

(see http://www.umanitoba.ca/centres/mchp/reports/child_inequalities/index.shtml)

Knowledge translation activities continue on this project. The various publications, presentations, workshops and briefings can be found in Sections 3.1 and 3.2 of this report.

RBC Foundation Child Health Research

Thanks to the RBC Financial Group's generous gift to the Manitoba Centre for Health Policy, over the past year we have continued our vital research in discovering factors that reduce inequalities in health and educational success during childhood. The continued collaboration with researchers in the United States and Australia has created unique opportunities for work with data resources in our world-class Manitoba Population Health Research Data Repository. The following outlines the progress we have made during the past year:

Dr. Doug Jutte, RBC Financial Group Child Health Clinical Research Fellow is working with Noralou Roos and Marni Brownell on the study entitled "The Apgar Score as an Early Measure of Resilience." This study reviews the long-term physical, cognitive and behavioural outcomes of Manitoba children born over the 20-year period from 1984/85 to 2003/04. There are approximately 14,000 children born every year in Manitoba.

Dr. Irene Yen, RBC Financial Group Child Health Research Fellow is working on a research project involving those receiving income assistance and what their children's health and educational outcomes are by length of time on income assistance.

Randy Fransoo, MCHP researcher and doctoral candidate, continues to work closely with Noralou Roos and Marni Brownell in the planning, analysis and interpretation of results using administrative education and health data related to children and youth. The RBC award helps support Mr. Fransoo's research on how

children's health status in the pre-school years may affect their later progress and performance in school. Mr. Fransoo's thesis is titled "How health status at birth and through childhood affects progress and performance in school: a population-based study."

Manitoba/Australia Collaboration

The CIHR International Development/Planning Grant led a team of researchers to Perth Australia to work with Dr. Fiona Stanley, Australian of the Year (2003) and Director of the Telethon Institute for Child Health Research established in 1990. We have begun a whole new research collaboration built around our mutual interest in using insights derived from administrative data for improving child outcomes. In February 2007 Noralou Roos met with research groups in Sydney and Canberra as well as with Warwick Anderson, CEO of the Australian government's National Health and Medical Research Council, as they are attempting to develop their capacity for using linked data for health research.

1.2.7 The Lupina Foundation Project

On June 13, 2005, The Lupina Foundation pledged \$625,000 to MCHP to support web-based research knowledge transfer through the Concept Dictionary. Peter Warrian, Managing Director of The Lupina Foundation was present for the announcement. Under the leadership of Leslie Roos and Lisa Lix, this funding will build on the existing web-based knowledge transfer activities of MCHP.

This project consists of five project areas including: ICD-10-CA/CCI, DPIN, Costing, Social Concepts and Dissemination & Project Management) will be met. For example, extensive review and updating of the Glossary, Concept Dictionary and Research Protocol was undertaken. These results were then made accessible to the public through the Centre's external website, and a new search engine was developed to enhance these capabilities.

1.2.8 RHA Collaborative Research

The Need to Know Team Project

This project involves collaborative research by MCHP, the ten non-Winnipeg RHAs, and Manitoba Health. High-level planners and decision-makers from each RHA are chosen to attend these meetings. This is funded through the Canadian Institutes of Health Research (the Community Alliances for Health Research Program 2001—2006; PI P. Martens). The project originally focused on rural and northern RHAs. The mandate was extended to include Winnipeg RHA. The goals of this project are:

- To create new knowledge directly relevant to the RHAs.
- To develop useful models for health information infrastructure, training, and interaction that will increase and improve capacity for collaborative research.
- To disseminate and apply health services research so as to increase the effectiveness of health services, and ultimately the health of RHA populations.

The team meets three times per year, for two days of sessions in Winnipeg. These meetings are designed to respond to the goals by including relevant activities. This year, the Team has worked on a fourth study, entitled "What Works? Evaluating Manitoba's Rural and Northern Regional Health Programs and Policies at the Population Level" and a fifth study entitled "Updated RHA Indicators Atlas 2008."

The meetings of the Team (June 5, 2006; October 23, 2006; February 5, 2007) incorporate a variety of sessions designed to encourage two-way learning between researchers and planners/policy-makers. Some of the sessions attended by the Team members were:

- Collaborative work on the *What Works?* and *Updated RHA Indicators Atlas* deliverables
- Immunization and TB Registry in Manitoba
- Reports on site visits and evaluation
- CIHR's *Evidence to Action* grant
- RHA Data Gathering and Synthesis
- Population-Based Funding Methodology deliverable
- Epi 102—Population Approaches to Risk
- Dementia Research
- Overview of the Masters in Public Health
- Presentation of the CHSRF EXTRA Program
- Nova Scotia *Need to Know* Pilot Project
- Facilitator Training Workshop
- Presentation of the *PCH Quality of Care Indicators* deliverable

From Evidence to Action—Addressing Challenges to Knowledge Translation in Manitoba

This three-year CIHR-funded research project (2005-2008) has been developed in response to the identification of organizational barriers that hinder evidence-informed planning and decision making at the RHA-level. The project will identify, from the perspective of the RHA decision makers themselves, organizational factors that hinder evidence-based decision-making in RHAs and collaboratively develop strategies to address these barriers. Some barriers that have been identified through previous consultations include: (i) time constraints/work demands that leave insufficient time for facilitating capacity building at the organizational level, (ii) crises that push research off the agenda, (iii) difficulties establishing effective communication channels within the RHA, and (iv) insufficient awareness of the importance of research and the skills required to use it effectively.

The objectives of this project are to collaboratively develop, apply and evaluate instruments and strategies that address barriers to the use of research and other forms of evidence in RHA planning and decision making, based on perspectives and needs of RHA decision-makers themselves. Phase 1, in which RHA perspectives on evidence and barriers to evidence use were gathered, has been completed. Good consensus on key issues was identified among all RHAs. Current activities are focusing on development and evaluation of draft tools to address the identified barriers to evidence use, with the objective of producing user-friendly resources for use by all RHAs. Ongoing participation of all RHAs will be required to ensure appropriate trialing and evaluation of these resources.

2.0 KNOWLEDGE TRANSLATION

Each year, one of the six MCHP deliverables is not a report, but instead it encompasses all the activities surrounding research knowledge translation. MCHP researchers and staff carry out more of these activities than is common among most academic units. The following represent the many areas of research knowledge translation done over the past year.

2.1. Briefings

Prior to the release of a deliverable, Manitoba Health senior executive and managers, including the Deputy Minister and Minister, receive briefings which highlight the outcomes and recommendations of the particular report.

Stakeholder groups are also briefed prior to relevant releases. These groups include: Departments of Education, Family Services & Housing, and Health; Manitoba Medical Association; College of Physicians and Surgeons of Manitoba; rural Regional Health Authorities; Manitoba Patient Safety Institute; Winnipeg Regional Health Authority. Numerous briefings continue post-release on many deliverables, as dissemination of findings occur and interest is generated.

Researchers brief the Advisory Board on deliverables in progress. Deliverable Working Group members are briefed throughout the project by the research teams. As well, MCHP Research Forums take place on a bi-weekly basis to update MCHP and Community Health Sciences staff on the status of deliverables' research, research methods and other Repository-related research.

Additional project specific briefings took place on the following:

Analyzing the Urgent Care and Emergency Room (E.R.) Datasets of Winnipeg

- WRHA Day, January 2007
- MCHP Research Forum, January 2007
- MCHP Research Forum, May 2006

Assessing Surgical Waiting Times Using Administrative Data and Patient Registries

- WRHA Day, January 2007
- Manitoba Health Senior Executive, January 2007
- Deputy Minister, November 2006

Defining & Validating Chronic Diseases: An Administrative Data Approach

- Manitoba Health Senior Executive, June 2006
- Deputy Minister, April 2006

Developing a Needs-Based/Population-Based Funding Methodology for Manitoba's Regional Health Authorities

- Manitoba Health Senior Executive, February 2007
- WRHA Day, January 2007
- Deputy Minister, November 2006
- Manitoba Health Day, April 2006

Development of Composite Measures/Indices of Health and Health System Performance

- MCHP Research Forum, December 2006

Dynamic Physician Resource Projection Model

- MCHP Research Forum, February 2007
- MCHP Advisory Board Presentation, November 2006
- Manitoba Health Day, April 2006

Next Steps in the Provincial Evaluation of the BabyFirst Program

- WRHA Day, January 2007
- Rural and Northern Healthcare Day, October 2006

Sex Differences in Health Status, Health Care Use and Quality of Care

- Manitoba Health Day, April 2006

Updated RHA Indicators Atlas 2008

- *The Need to Know* Team Meeting, October 2006 and February 2007

Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes

- MCHP Advisory Board Presentation, November 2006
- Rural and Northern Healthcare Day, October 2006
- Minister of Health, October 2006
- Deputy Minister, September 2006
- Manitoba Health Senior Executive, July 2006
- Manitoba Health Day, April 2006

What Works? Evaluating Manitoba's Rural and Northern Regional Health Programs and Policies at the Population Level

- *The Need to Know* Team Meeting, February 2007
- WRHA Day, January 2007
- *The Need to Know* Team Meeting, October 2006
- *The Need to Know* Team Meeting, June 2006
- MCHP Research Forum, June 2006
- Rural Day October 2006
- MCHP Advisory Board Meeting, November 2006
- Manitoba Health Day, April 2006

2.2 Publications

2.2.1 Papers, Books/Book Chapters, Reports

2007

Banno K, Manfreda J, Walld R, Delaive K, Kryger MH. Health care utilization in females with obstructive sleep apnea syndrome two years after diagnosis and treatment. *Sleep* 2007; In press.

Bégin P, Tremblay K, Daley D, Lemire M, Claveau S, Kacel S, Montpetit A, Becker AB, Kozyrskyj AL, Hudson TJ, Laprise C. Association of Urokinase-type plasminogen activator with asthma. *Am J Resp Crit Care Med* 2007; 175: 1109-1116

Briggs G, Brownell M, Roos NP. Teen mothers and socioeconomic status: The chicken-egg debate. *J of Assoc Res on Mothering* 2007; In press

Brownell M, Guèvremont A, Au W, Sirski M. The Manitoba healthy baby prenatal benefit program: Who is participating? *Can J Public Health* 2007;98(1):65-69.

Carrie AG, Kozyrskyj AL. Disease, temporal, and sociodemographic influences on initial treatment of community acquired pneumonia in Manitoba, Canada. *Int J Antimicrob Agents* 2006; 28: 95-100

De Coster C. Cataract surgery waiting times in Manitoba. *Can J Aging* 2007; In press.

De Coster C, Luis A, Taylor M. Do administrative databases accurately measure waiting times for medical care? *Can J Surg* 2007; In press

Demeter S, Leslie WD, Lix LM, MacWilliam L, Finlayson GS, Reed M. The effect of socioeconomic status on bone density testing in a public health-care system. *Osteoporos Int* 2007;18(2):153-158.

Doupe M, Brownell M, Kozyrskyj AL, Dik N, Burchill B, Dahl M et al. Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes. Winnipeg: Manitoba Centre for Health Policy, October 2006

Ediger J, Walker JR, Graff LA, Lix LM, Clara I, Rawsthorne P, Rogala L, Miller N, McPhail C, Deering K, Bernstein CN. Predictors of medication adherence in inflammatory bowel disease. *Am J of Gastroenterol* 2007; In press

Fell D, Kephart G, Curtis LJ, Bower K, Muhajarine N, Reid RJ, Roos LL. The relationship between work hours, occupation and utilization of general practitioners in four Canadian provinces. Public article online *Health Serv Res* January 24, 2007 Epub ahead of print

Frohlich K, Bodnarchuk J, Chateau D, Roos LL, Forsyth S. What you see is what you get? Questioning the relationship between objective and subjective appraisals of neighbourhood resources in relation to health importance. *Can J Public Health* 2007; In press.

Graff LA, Walker J, Lix LM, Clara I, Rawsthorne P, Rogala L et al. The Manitoba IBD cohort study: The relationship of disease type and activity to psychological functioning and quality of life. *Clin Gastroenterol Hepatol* 2007; In press.

Guèvremont A, Roos NP, Brownell M. Predictors and consequences of grade retention: Examining data from Manitoba, Canada. *Can J of School Psych* 2007; In press.

- Ioannidis G, Papaioannou A, Thabane L, Gafni A, Hodsman A, Kvern B, Johnstone D, Plumley N, Baldwin A, Doupe M, Katz A, Salach & Adachi JD. Rationale, methods, and feasibility of the Canadian Quality Circles (CQC) Project. *Can Fam Physician* 2007; In press
- Katz A, Soodeen R, Bogdanovic B, De Coster C, Chateau D. Can the quality of care in family practice be measured using administrative data? *Health Serv Res* 2007;41(6):2238-2254.
- Keselman HJ, Wilcox RR, Lix LM, Algina J, Fradette K. Adaptive robust estimation and testing. *Br J Math Stat Psychol* 2007; In press.
- Kozyrskyj AL, Dahl ME, Ungar WJ, Becker AB, Law BJ. Antibiotic treatment of wheezing in children with asthma: What is the practice? *Pediatrics* 2006; 117: e1104-1110
- Kozyrskyj AL, Raymond C, Rancher A. Characterizing early prescribers of newly marketed drugs in Canada: A population-based study. *Eur J Clin Pharmacol* 2007; 63: 597-604
- Kozyrskyj AL, Raymond C, Rancher A. Use of celecoxib immediately post marketing in Canada: Acute or chronic pain? *Can J Clin Pharmacol* 2007; 14e70-e80
- Laheij RJE, Targownik LE, Leung S, Metge C, van Oijen M, Drenth JPH, Jansen JBMJ. Proton pump inhibitor use increases the risk of severe community-acquired infections. *Am J Gastroenterol* 2007; In press.
- Liem JJ, Kozyrskyj AL, Huq SI, Becker AB. The risk of developing food allergy in premature/low birthweight children. *J Allergy Clin Immunol* 2007; 119: 1203-1209
- Latosinsky S, Fradette K, Lix LM, Hildebrand KJ, Turner D. Canadian breast cancer guidelines: Have they made a difference? *Can Med Assoc J* 2007; 176(6): 771-776.
- Leslie WD, Anderson WA, Metge CJ, Manness LJ. Clinical risk factors for fracture in postmenopausal Canadian women: A population-based prevalence study. *Bone* 2007; 40(4): 991- 996
- Leslie WD, Lix LM, Prior HS, Derksen S, Metge C, O'Neil J. Biphasic fracture risk in diabetes: A population-based study. *Bone* Epub ahead of print, March 1, 2007
- Lix LM, Lloyd A. A comparison of procedures for the analysis of multivariate, longitudinal data. *J Mod Appl Statistical Methods* 2007; In press.
- Lix LM, DeVerteuil G, Walker J, Robinson JR, Hinds A, Roos LL. Residential mobility of individuals with diagnosed schizophrenia: A comparison of single and multiple movers. *Soc Psychiatry Psychiatr Epidemiol* 2007; 42(3): 221-228
- Lix LM, Algina J, Keselman HJ. Analyzing multivariate repeated measures designs: A comparison of two approximate degrees of freedom procedures. *Multivariate Behav Res* 2007; In press.
- Lix LM, Fouladi R. Robust step-down tests for multivariate independent groups designs. *Br J Math Stat Psychol* 2007; In press.
- Martens PJ, Fransoo R, The Need to Know Team, Burland E, Burchill C, Prior HJ, Ekuma O. Prevalence of mental illness and its impact on the use of home care and nursing homes: A population-based study of older adults in Manitoba, Canada. *Can J Psychiatry* 2007; In press

Martens PJ, Martin B, O'Neil J, MacKinnon M. Distribution of diabetes and adverse outcomes in a Canadian First Nations population: Association with health care access, socioeconomic and geographical factors. *Can J of Diab* 2007; In press

Martens PJ, Romphf L. Factors associated with newborn post-birth weight loss in hospitals: Comparisons by type of infant feeding, demographics, and birthing procedures. *J Hum Lact* 2007; In press.

Menec VH, Lix LM, Ekuma O, Nowicki S. Health care use at the end of life among older adults: Does it vary by age? *J Gerontol* 2007; In press

Moore DF, Gelderman MP, Fuhrmann SR, Elkahloun A, Lix LM, Brady RO, Schiffmann R, Goldin E. (in press). Genomic abnormalities of the knock-out murine model of Fabry disease following disease specific perturbation: A systems biology approach 2007; In press

Murray RP, Ekuma O, Barnes GE. Multiple measures of drinking pattern and cardiovascular harm: A prospective analysis of the Winnipeg Health and Drinking Survey (WHDS). *J Subst Use* 2007; In press.

Oreopoulos P, Stabile M, Walld R, Roos LL. Short, medium, and long term consequences of poor infant health: An analysis using siblings and twins. *J Hum Resour* 2007; In press.

Roos LL, Walld R. Neighbourhood, family, and health care. *Can J Public Health* 2007; In press.

Silha JV, Nyomba G, Leslie WD, Murphy LJ. Ethnicity, insulin and inflammatory adipokines in women at high and low risk for vascular disease. *Diabetes Care* 2007;30(2):286-291.

Smith DA, Edwards NC, Martens PJ, Varcoe C. Making a difference: A new care paradigm for pregnant and parenting Aboriginal People. *Can J Public Health* 2007; In Press

Targownik LE, Metge C, Roos LL, Leung S. The prevalence of and the clinical and demographic characteristics associated with high intensity proton pump inhibitor use. *Am J Gastroenterol* 2007;Epub ahead of print:

Weiler H, Leslie WD, Krahn J, Salamon EA, Wood Steiman P, Metge CJ et al. Canadian aboriginal women have a higher rate of vitamin D deficiency than non-aboriginal women status despite similar dietary vitamin D intakes. *J Nutr* 2007;137(2):137-142.

2006

Bowen S, Martens PJ. A model for collaborative evaluation of university-community partnerships. *J Epidemiol Community Health* 2006;60(10):902-907.

Brownell M, Roos NP, Fransoo R, Roos LL, Guèvremont A, MacWilliam L, Yallop L, Levin B. Is the class half-empty? Socioeconomic status and educational achievement from a population-based perspective. *IRPP Choices* 2006;12(5):1-30.

Brownell M, Mayer T, Chateau D. The incidence of methylphenidate use by Canadian children: What is the impact of socioeconomic status and urban/rural residence? *Can J Psychiatry* 2006;51(13):847-854.

Burgmann T, Clara I, Graff L, Walker J, Lix LM, Rawsthorne P et al. The Manitoba inflammatory bowel disease cohort study: Prolonged symptoms before diagnosis - how much is irritable bowel syndrome? *Clin Gastroenterol Hepatol* 2006;4(5):614-620.

- Carrie AG, Kozyrskyj AL. Disease, temporal and socioeconomic influences on initial treatment of community-acquired pneumonia in Manitoba, Canada. *Int J Antimicrob Agents* 2006;28(2):95-100.
- Chipperfield J, Perry RP. Primary - and secondary-control strategies in later life: Predicting hospital outcomes in men and women. *Health Psychol* 2006;25(2):226-236.
- De Coster C, Quan H, Finlayson A, Gao M, Halfon P, Humphries K, Johansen H, Lix LM, Luthi JC, Ma J, Romano PS, Roos LL, Sundararajan V, Tu JV. Identifying priorities in methodological research using health administrative data. Report from an international consortium. *BMC Health Services Research* 2006, 6:77
- DeVerteuil G, Hinds A, Lix, Walker J, Robinson R, Roos LL. Mental health and the city: Intrra-urban mobility among individuals with schizophrenia. *Health and Place* 2006; 13(2): 310-323
- Grymonpre R, Cheang M, Fraser M, Metge C, Sitar D. Validity of a prescription claims database to estimate medication. *Med Care* 2006;44(5):471-477.
- Kozyrskyj AL, Dahl ME, Ungar WJ, Becker AB, Law BJ. Antibiotic treatment of wheezing in children with asthma: What is the practice? *Pediatrics* 2006; 117(6): 1104-1110.
- Leslie WD, Metge CJ, Weiler HA, Doupe M, Wood Steiman P, O'Neil JD. Bone density and bone area in Canadian Aboriginal women: The First Nations Bone Health Study. *Osteoporos Int* 2006;17(12):1755-1762.
- Leslie WD, Tsang J, Caetano PA, Lix LM. Effectiveness of bone mineral density measurement for predicting osteoporotic fractures in clinical practice. *J Clin Endocrinol Metab* 2006;92(1): 77-81
- Leslie WD, Tsang J, Caetano PA, Lix LM. Number of osteoporotic sites and fracture risk assessment: A cohort study from the Manitoba bone density program. *J Bone Miner Res* 2006;22(3):476-483.
- Leslie WD, Derksen S, Prior HJ, Lix LM, Metge C, O'Neil J. The interaction of ethnicity and chronic disease as risk factors for osteoporotic fractures: A comparison in Canadian Aboriginals and non-Aboriginals. *Osteoporos Int* 2006;17(9):1358-1368.
- Liem JJ, Rabbani R, Kozyrskyj AL, Becker AB. The correlation between skin prick tests and bronchial hyper-responsiveness in children with atopic conditions. *J Allergy Clin Immunol* 2007; 119: S166
- Lix LM, Clara I, Hinds A, Bernstein CN. Robust step-down tests for multivariate group differences. In: Sawilowsky S, (ed): *Real Data Analysis*. Washington, DC. American Educational Research Association, Educational Statisticians; 2006. 139-147.
- Lix LM, Hinds A, DeVerteuil G, Robinson JR, Walker J, Roos LL. Residential mobility and severe mental illness: A population-based analysis. *Admin Policy Ment Health* 2006;33(2):160-171.
- Martens PJ, The Need to Know Team, Fransoo R, Burchill C, Burland E. Health status and healthcare use patterns of rural, northern and urban Manitobans: Is Romanow right? *Healthcare Policy* 2006;2(1):108-127.
- Menec V, Sirski M, Attawar D, Katz A. Does continuity of care with a family physician reduce hospitalizations among older adults? *J Health Serv Res Pol* 2006;11(4):196-201.
- Murray RP, Ekuma O, Barnes GE. Drinking pattern as a predictor of cardiovascular harm: A longitudinal study using alternative drinking pattern measures. *J Subst Use* 2006;11(5):359-368.

Roos LL, Lix LM, Bond R, Smith S. Untangling the web: Organization and dissemination of working knowledge. *Healthcare Policy* 2006;1(4):46-51.

Roos LL. Untangling the web: Disseminating and organizing. *Healthcare Policy* 2006;2(1):52-55.

Roos NP, Brownell M, Guèvremont A, Fransoo R, Levin B, MacWilliam L, Roos LL. The complete story: A population-based perspective on school performance and educational testing. *Can J Educ* 2006;29(3):684-705.

Slaughter PM, Collins PK, Roos NP, Weisbaum KM, Hirtle M, Williams JI, Martens PJ, Laupacis A. *Privacy Best Practices for Secondary Data Use (SDU). Harmonizing Research & Privacy: Standards for a Collaborative Future*. CD-ROM. Manitoba Centre for Health Policy, University of Manitoba; Institute for Clinical Evaluative Sciences; Canadian Institutes of Health Research. August 2006, Winnipeg MB.

Smith D, Edwards N, Varcoe C, Martens PJ, Davies B. Bringing safety and responsiveness into the forefront of care for pregnant and parenting Aboriginal People. *ANS Adv Nurs Sci* 2006;29(2):E27-E44.

Su R, Becker AB, Kozyrskyj AL, HayGlass KT. Epigenetic regulation of Th1/Th2- recall responses in atopic asthmatic individuals. *J Allergy Clin Immunol* 2007; 119: S158

2.2.2 Presentations

2007

Bowen S, Soltys P. "From evidence to action – Tool kits 101" (Presented at "The Need to Know: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health" Team Workshop No. 18, Winnipeg MB, February 2007)

Briggs G, Brownell M, Roos N. To target or not to target: The case of teenage mothers (Presented at 2007 Biennial Meeting of the Society for Research in Child Development, Boston MA, March 31, 2007)

Brownell M. Changes in rates of physician-diagnosed ADHD and use of psychostimulants in Manitoba children, 1996-97 through 2003/04 (Presented at Séminaire Groupe de Recherche sur l'Inadaptation Psychosociale chez l'enfant, Montréal et Université Laval, Montréal PQ, February 16, 2007)

Brownell M. An evaluation of the BabyFirst Program (Presented at the Fourth Annual MCHP/WRHA Workshop Day "Building on our Successes to Optimize MCHP/WRHA Collaborations" A Collaborative Workshop between Decision-makers and Researchers, Winnipeg MB, January 24, 2007)

De Coster C. Assessing surgical wait times using administrative data (Presented at the Fourth Annual MCHP/WRHA Workshop Day "Building on our Successes to Optimize MCHP/WRHA Collaborations" A Collaborative Workshop between Decision-makers and Researchers, Winnipeg MB, January 24, 2007)

Doupe, M. Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes. (Presented at the Brandon Nursing Home Planning & Evaluation Day, Brandon MB, January 31, 2007)

Doupe M. Assessing frequent users of ER sites (Presented at the Fourth Annual MCHP/WRHA Workshop Day "Building on our Successes to Optimize MCHP/WRHA Collaborations" A Collaborative Workshop between Decision-makers and Researchers, Winnipeg MB, January 24, 2007)

Finlayson G. Principles of population-based funding allocation and data sources for planning (Canadian Institute of Public Health Inspectors workshop, Ottawa ON, February 2007)

Finlayson G. Funding 101 – or – how to get your CEO off the ceiling (or the floor) in one easy lesson (Manitoba Centre for Health Policy *Need to Know* Team, Winnipeg MB, February 2007)

Finlayson G. A population-based funding allocation methodology for Manitoba Regional Health Authorities. Developing a Model and Indicators for Population Needs-Based Planning for Public Health Services and Workforce (The First Steps. Winnipeg MB, January 2007)

Finlayson G. A population-based funding allocation methodology for Manitoba Regional Health Authorities (Regional Health Authorities of Manitoba Chief Financial Officer Council, Winnipeg MB, December 2006)

Fransoo R, Martens P, Turner D, Brownell M, Malazdrewicz D. “RHA Indicators Atlas 2008” deliverable (Presented at “*The Need to Know*: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health” Team Workshop No. 18, Winnipeg MB, February 2007)

Guèvremont A, Brownell M, Roos NP. Children’s ADHD and the timing of maternal depression (Poster presentation at the Society for Research and Child Development Biennial Meeting, Boston, MA, March 30, 2007)

Katz A, Botting I. Evaluating health links info santé for people with heart failure (Presented at the Fourth Annual MCHP/WRHA Workshop Day “Building on our Successes to Optimize MCHP/WRHA Collaborations” A Collaborative Workshop between Decision-makers and Researchers, Winnipeg MB, January 24, 2007)

Kozyrskyj AL. Maternal distress in early life and the development of childhood asthma. (Public Health Agency of Canada research forum, Winnipeg MB, March 2007)

Lix LM. A comparison of classification models for identifying chronic disease cases and non-cases in administrative claims data. (Statistical Society of Ottawa, Ottawa ON March 2007)

Lix LM. Statistical solutions for problems in health research: The benefits of collaboration (Presented at “This Lunch Hour has 33 Minutes”, University of Manitoba, Winnipeg MB, February 22, 2007)

Lix LM. Chronic disease prevalence estimation with administrative data: The view from Manitoba (Data symposium hosted by Institute for Clinical Evaluative Sciences, Toronto ON, January 2007)

Martens PJ. Changing minds about Canada’s health and health care system: A collaborative approach with media and researchers. Invited guest speaker for the CIHR Workshop for Health Reporters (Institute of Health Services and Policy Research), Toronto ON, March 26-27, 2007.

Martens PJ. Building rural health research capacity – the Manitoba Experience. New Brunswick Rural Health Research Network “Building Rural Health Research Capacity in New Brunswick”, Fredericton NB, February 20-21, 2007.

Martens PJ, Marchildon G. Closing Plenary Panel: Thoughts about rural health research capacity building in New Brunswick. New Brunswick Rural Health Research Network “Building Rural Health Research Capacity in New Brunswick”, Fredericton NB, February 20-21, 2007.

Martens PJ. Quantitative research and program evaluation designs 101: The good, the bad and the ugly. Ecology of Infectious Diseases graduate seminar, Winnipeg MB, February 2, 2007.

Martens PJ. MCHP: Who we are and what we do (Presented at the Fourth Annual MCHP/WRHA Workshop Day “Building on our Successes to Optimize MCHP/WRHA Collaborations” A Collaborative Workshop between Decision-makers and Researchers, Winnipeg MB, January 24, 2007)

Martens PJ. Invited Guest Speaker. Changing Minds About Canada’s Health and Health Care System: A collaborative approach with media and researchers. (CIHR Workshop for Health Reporters, Institute of Health Services and Policy Research, Toronto, ON, March 26-27, 2007)

Martens PJ. Methodologies – a facilitated discussion. Facilitator for the brainstorming session at CHRSF’s 10th Anniversary Celebration and Conference, Montreal, QC, March 21-22, 2007.

Martens PJ. Chair of the Healthy Communities/Healthy Populations breakout session. How do we know when programs and policies are “working”? Population-based public health outcomes by place and time. PHAC 2007 Research Forum, Winnipeg MB, March 12-13, 2007.

Roos NP. Ethical Considerations for Post-marketing Evaluations of Pharmaceuticals. Sponsored by Health Canada, Canadian Institutes of Health Research, Manitoba Centre for Health Policy and University of Manitoba, March 5, 6th, 2007, Toronto ON, March 5, 6th, 2007

Roos NP. The risks social factors pose to healthy communities (Presented at the Public Health Agency of Canada, Winnipeg MB, March 12, 2007)

Roos NP. Canada’s health care: Is there a crisis? (Presented at the United Jewish People’s Order, public forum, Winnipeg MB, February 26, 2007)

Roos NP. Population health: Where should investments be made and how? (Presented at the Department of Health Policy, Management and Evaluation Professional Education Day, Toronto ON, February 22, 2007)

Roos NP. Hospital systems research - a long term partnership between researchers, policy makers and clinicians in Manitoba (Presented at the HARC Research Seminar, The Sax Institute, Sydney, AU, January 23, 2007)

Roos NP. Leading partnerships for policy and practice focused research and the impacts of emerging social policy research linking education, social services and health data. (Presented at the Open seminar - A Sax Institute event, The Darlingford Centre, Sydney, AU, January 23, 2007)

Roos NP. Socioeconomic status and children’s well-being: What are the implications for policy? (Presented at NATSEM Seminar Series, National Centre for Social and Economic Modeling, University of Canberra, Canberra, AU, January 22, 2007)

Shapiro E. What do we want home care to be? (Presented at the Public Policy forum in response to panelists, Ottawa ON, February 5, 2007)

Shapiro E. What then - what now? (Presented at the Manitoba Health-Canada Health (MB Region) event, Winnipeg MB, January 25, 2007)

2006

Bowen S Erickson T. From evidence to action research project (Presented at “*The Need to Know*” Team Workshop No. 17, Winnipeg, MB, October 23, 2006)

Bowen S. From evidence to action project over-view (Presented at the Manitoba Centre for Health Policy 13th Annual Rural and Northern Health Care Meeting, Winnipeg, MB, October 24, 2006)

Bowen S, Erickson T. Evidence to action (Presented at “*The Need to Know*: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health” Team Workshop No. 16, Winnipeg MB, June 2006)

Brownell M. The tip of the iceberg: Using data on intentional injuries as indicators of child abuse and neglect. (Presented at “A New Public Strategy for Children in Care”: Manitoba/Australia Workshop, Winnipeg MB, June 2006)

Brownell M. Validating the BabyFirst Screening Tool (Families First Provincial Coordinators Meeting, Winnipeg MB, September 15, 2006)

Brownell M. Using linked data sets to study child outcomes. Bringing it Together: Merging Community-Based, Life-Course, Linked Data, and Social Indicator Approaches to Monitoring Child Development. (Canadian Council on Learning Early Childhood Development Monitoring Committee meeting, Toronto ON, September 19, 2006)

Brownell M. Inequalities in children’s educational outcomes: Using administrative data to gain a population-based perspective on health (Health Canada Policy Forum, Ottawa ON, October 19, 2006)

Brownell M, Roos NP, Fransoo R, Roos LL, Guèvremont A, MacWilliam L, Yallop L, Levin B. Is the class half Empty? A population-based perspective on socioeconomic status and educational outcomes (Presented at the Institute for Research on Public Policy Panel Discussion, “Educational Outcomes in Manitoba”, Winnipeg MB, December 6, 2006)

Carleton B, Smith A, Kozyrskyj A, Brownell M, Zhang T. Paediatric drugs: Use of multi-jurisdictional prescription drug data (Presented at the Third Canadian Therapeutics Congress, Toronto, ON, May 10-13, 2006)

De Coster C. Taming of the Queue III. (Invitational Colloquium to discuss waiting times, Ottawa, ON, March 2006).

Demeter S, Leslie WD, Lix LM, MacWilliam L, Finlayson GS, Reed M. The effect of socioeconomic status on bone density testing in a public health care system (Poster presentation at the International Osteoporosis Foundation World Congress on Osteoporosis, Toronto ON, June 2006)

Doupe, M. Research potential using administrative health care data in Manitoba. (Presented at the Allied Health Symposium, Winnipeg MB, Spring, 2006)

Doupe, M. Preventive care strategies by family physicians in Manitoba (Presented to Department of Family Medicine Members, Winnipeg MB, May, 2006)

Doupe, M. Defining the health and health care use of older adults with administrative data. (Presented at the Canadian Institute of Health Research (Institute of Population and Public Health) Summer Institute, Winnipeg MB, June 2006)

Doupe M. PCH quality of care indicators report (Presented at the Manitoba Centre for Health Policy 13th Annual Rural and Northern Health Care meeting, Winnipeg MB, October 26, 2006)

Finlayson G. Population and needs based funding strategies (Presented at the Manitoba Health/MCHP Third Annual Workshop Day, "Working Together to Inform Policy", Winnipeg, MB, April 21, 2006)

Finlayson G, Forget E, Okuma O, Derksen S, Bond R. How to slice the pie: A population-based funding allocation methodology for Manitoba regional health authorities (Canadian Association for Health Services and Policy Research Conference. Vancouver BC, September 2006)

Jutte DP, Brownell MD, Roos NP, Sirski M, Syme SL, Boyce WT. Reconsidering the newborn Apgar score: Links to the risk of long-term hospitalization (International conference on infant studies, Kyoto Japan, June 19-23, 2006)

Katz A. Learning from Rural Clinical Practice: The Value of Health Services Research (Plenary presentation at the 14th Annual Rural and Remote Medicine Course, Society of Rural Physicians of Canada, Winnipeg MB, April 2006)

Kozyrskyj AL. How to write and review a high impact research paper (AllerGen 1st Annual Trainee Symposium, Toronto ON, May 2006)

Kozyrskyj AL. The insiders' guide to career opportunities in academia (AllerGen 1st Annual Trainee Symposium, Toronto ON, May 2006)

Kozyrskyj AL. Immediate antecedents of children being taken into foster care (Canada/West Australia Collaboration workshop, Winnipeg MB, June 2006)

Kozyrskyj AL, Brownell M. A new public health strategy for children in care: A Canada/Australia collaboration (CIAR New Investigators Network Meeting, Winnipeg MB, June 2006)

Kozyrskyj AL. SES and medication use: What does the data tell us about access to medications (CIHR Summer Institute, Winnipeg MB, June 2006)

Lix LM Lloyd A. A comparison of methods for the analysis of doubly multivariate data (Presented at the annual meeting of the American Educational Research Association, San Francisco, CA, April 2006)

Lix LM Deering K. A robust two-group step-down test for multiple outcomes (Presented at the annual meeting of the Statistical Society of Canada, London, ON, May 2006)

Lix LM. Think critically!: What to look for in the research you read (Canadian Association of Speech Language Pathologists and Audiologists annual conference, Winnipeg MB, May, 2006)

Lix LM. Procedures for analyzing multivariate repeated measurements when covariances are heterogeneous (Statistics seminar, University of Manitoba, Winnipeg MB, November 28, 2006)

Martens PJ. Invited guest speaker: Heart & Stroke Foundation of Canada Board of directors meeting. Taking the driver's test on the road to KT: *The Need To Know* Team in Manitoba, Ottawa ON, April 8, 2006.

Martens PJ. Revealing the secrets of MCHP - do you REALLY know who we are and what we do? (Presented at the Manitoba Health/MCHP Third Annual Workshop Day, "Working Together to Inform Policy", Winnipeg, MB, April 21, 2006)

Martens PJ. Invited guest lecture: University of Manitoba's Board of Governors. Lessons learned in the Manitoba Centre for Health Policy: Taking our driver's test on the road to knowledge translation, Winnipeg, MB, April 25, 2006.

Martens PJ. Invited panel member: (CIHR IHSPR, CHSRE, Health Charities Coalition of Canada, Heart & Stroke Foundation of Canada, NSHRE, Safe Kids Canada. "A Productive Conversation", Ottawa ON, April 26-27, 2006)

Martens PJ. Geographical, sex and income disparity in hip fracture injuries - a Manitoba population-based study (Presented at the Canadian Public Health Association "What Determines the Public's Health?" Vancouver, BC, May 28-31, 2006)

Martens PJ. Epi 102—Population approaches to risk (Presented at "*The Need to Know*: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health" Team Workshop No. 16, Winnipeg MB, June 2006)

Martens PJ. 1)(Plenary) Seeing the Big Picture: Breastfeeding as part of a primary health care strategy. 2)(Concurrent) The Sixty-Minute Research Primer: Reading the statistics and research design sections of a publication without fear (2006 ILCA conference: Interdisciplinary Breastfeeding Practice "Integration Through Innovation", Philadelphia, PA, July 12-16, 2006)

Martens PJ. What counts? Research and policy interacting to enhance performance reporting (The 2006 Budget Conference of Provincial Deputy Ministers/Secretaries to Treasury Boards, Winnipeg MB August 25, 2006)

Martens PJ, Fransoo R, *The Need To Know* Team, Burland E., Prior H, Burchill C, Chateau D. What sex differences exist in the quality of physician care, and does this vary geographically? A Manitoba population-based study (CAHSPR Annual Conference. Vancouver BC September 20, 2006)

Martens PJ. Taking the driver's test on the road to KT: CIHR's *The Need to Know* Team (Presented at the Heart & Stroke Foundation of Canada - RPPAC and HPPAC joint meeting, Ottawa ON, September 22, 2006)

Martens PJ. Getting the question "right": MCHP's and *The Need To Know* as examples (Presented at the Youth Research Group, Dalhousie and District Decision-makers meeting - Drs. Noni MacDonald and Brian Hennen, Halifax NS, September 25, 2006)

Martens PJ. What counts? MCHP researchers and policy-makers interacting to produce population-based evidence (Presented at the WRHA Food for Thought series, Winnipeg MB, October 6, 2006)

Martens PJ, Fransoo R, Burland E, Prior H, *The Need to Know* Team, Burchill C, Dacombe J. 1)How can administrative claims data provide insight into "what works" in policies and programs at the population level? A Manitoba example. 2)Why do diabetes indicators show geographical variation by sex - is it a data problem? (Presented at the CRHRS Rural & Remote Health Conference "Taking Action Together", Prince George BC, October 19-21, 2006)

Martens PJ, Fransoo R, Burland E, Prior H, *The Need To Know* Team, Burchill C, Dacombe J. Why do diabetes indicators show geographical variation by sex – is it a data problem? (CRHRS Rural & Remote Health conference "Taking Action Together", Prince George, BC, October 19-21, 2006)

Martens PJ. The Manitoba Centre for Health Policy: Who are we and what we do (Presented at 1) The Chief Medical Examiner's Office, Winnipeg MB, November 1, 2006; 2) WRTC Health Services Research Course, Winnipeg MB, October 30, 2006; 3) RHA Privacy Officers of Manitoba, October 26, 2006)

Martens PJ. The state of First Nations health: What can population databases show us? (Aboriginal Health & Health Care course (Dr. John O'Neil), Winnipeg MB, October 31, 2006)

Martens PJ. Survey research 101. Ask a silly question? (Health Services Research graduate seminar (A. Kozyrskyj, course professor), University of Manitoba, Winnipeg MB, November 2006)

Martens PJ. Top fives (bottom fives)... how to build (or not!) a team or team project (VP Research Office for Academic Administrators, Winnipeg MB, November 3, 2006)

Martens PJ: Facilitator for CHSRF's Strategic Consultation on Managing for Quality and Safety. Mississauga ON, November 15, 2006

Martens PJ. What does Manitoba data tell you about disparities? Using MCHP reports for evidence-informed decision-making. (Human Ecology: Developmental Health course (instructor C. Ens), Winnipeg MB, November 20, 2006)

Martens PJ. The Manitoba Centre for Health Policy (MCHP): Who we are and what we do to contribute to evidence-informed decision-making. Also present during teleconference: Lix LM, De Coster C, Collins P, Burchill C. (Newfoundland/Labrador teleconference, "The Benefits of Linking Databases—the Manitoba Experience, November 21, 2006)

Martens PJ. Research using LAD: The Canadian experience. MCHP—who we are and what we do (The use of longitudinal administrative databases for population-based research, McGill University, Montreal QC, November 29, 2006)

Martens PJ. Invited luncheon speaker: Developing population and public health research and KT capacity: The role of Centres for Research Development (Saskatchewan Farm Injury Control Summit VIII. University of Saskatchewan, Saskatoon SK, December 5, 2006)

Martens PJ. Facilitator and discussant. How do we define public health services and workforce, and the need for public health service? ("Developing a model and indicators for population needs-based planning for public health services and workforce: The first steps" Western Canada Workshop, Winnipeg MB, December 7-8, 2006)

Oreopoulos P, Stabile M, Walld R, Roos LL. Short, medium, and long term consequences of poor infant health: An analysis using siblings and twins (Presented at: 1) Department of Economics, Brock University, St. Catharines, ON, March 2006; 2) Department of Economics, Wilfred Laurier University, Waterloo, ON, March 2006; 3) RAND Corporation, Santa Monica, CA, May 2006)

Roos LL, Brownell M, Lix LM, Roos NP, Forget E, Walld R, MacWilliam L. From health research to social research (Presented at CIHR's IPPA-IHSPR Summer Institute, Winnipeg MB, June 19-21, 2006)

Roos LL, Soodeen RA, Bond R, Burchill C. Working more productively: Tools for administrative data (Presented at 1)CIHR's IPPA-IHSPR Summer Institute, Winnipeg MB, June 19-21, 2006; 2)New Investigators' Network Meeting, Winnipeg MB, June 20-21, 2006; 3)"A New Public Strategy for Children in Care", Manitoba/Australia Collaboration Workshop, Winnipeg MB, June 26-27, 2006)

Roos LL. From health research to social research (Presented at the symposium on Administrative Data Bases in Population Health, McGill University, Montreal PQ, November 29, 2006)

Roos NP. Keynote Speaker, Moving research to policy: Implications of evidence re: Children's health and well-being (Presented at Research Day HPME, Toronto ON, May, 2006).

Roos NP, Brownell M. The relationship between teen motherhood and children in care/protection (Presented at "A New Public Strategy for Children in Care", Manitoba/Australia workshop, Winnipeg MB, June 2006)

Roos NP. Invitee to the consultation on Health Canada's "Blueprint for Renewal: Transforming Canada's Approach to Regulating Health Products and Food" (Presented in Winnipeg MB, November, 2006)

Roos NP. Panel member, Healthcare 2015: Win-win or lose-lose? A portrait and a path to successful transformation in the coming decade (Presented at the Winnipeg Convention Centre, Winnipeg MB, November 15, 2006)

Rosella LC, Manuel D, Burchill C, Stukel T, Roos LL. A population-based risk algorithm for the development of physician-diagnosed diabetes (Poster presentation at Congress of Epidemiology 2006, Seattle, WA, June 21-24, 2006)

2.2.3 Published Abstracts

2006

Burland E, Fransoo R, Martens PJ, *The Need To Know* Team, Prior H, Burchill C. Home Care and Personal Care Home Use (PCH) in Manitoba: Some Trends Since the Mid-1990s. Submitted to the Seventh National Conference of the Canadian Rural Health Research Society. Rural & Remote Health: Taking action together. Prince George, BC, October 19-21, 2006

Burland E, Fransoo R, Martens PJ, *The Need To Know* Team, Prior H, Burchill C. The Social Gradient in Chronic Disease in Manitoba. Submitted to the Seventh National Conference of the Canadian Rural Health Research Society. Rural & Remote Health: Taking action together. Prince George, BC, October 19-21, 2006

Burland, E., Martens, P. (2006) Childhood and Adult Immunization Rates in Manitoba. Oral presentation accepted for the Canadian Public Health Association 'What Determines the Public's Health?' 97th Annual Conference; Vancouver, BC, May 2006

Hinds AM, Lix LM, DeVerteuil G, Tate R. Relationship between residential mobility and health among individuals with mental illness. Annual meeting of the Canadian Association of Health Services and Policy Research, Vancouver BC, September, 2006

Huq SI, Becker AB, Kozyrskyj AL. Endotoxin protection against atopy: Phenotypic differences between First Nations and non-First Nations children. *Allergy Asthma Clin Immunol* 2006; 3(4): 152

Huq SI, Becker AB, Kozyrskyj AL. The impact of mold on asthma and bronchial hyperresponsiveness: Differences between First Nations and non-First Nations children. *Allergy Asthma Clin Immunol* 2006; 3(4): 153

Kozyrskyj AL, Liem JJ, Becker AB. Asthma phenotype and early life exposure: Differences between First Nations and Non First Nations children. *Proc Am Thoracic Soc* 2006; 3: A154

Liem JJ, Kozyrskyj AL, Becker AB. Methacholine challenges in 8-10 year old children. *Proc Am Thoracic Soc* 2006; 3: A454

Lix LM, Deering K. A robust two-group step-down test for multiple outcomes. Paper presented at the annual meeting of the Statistical Society of Canada, May, 2006

Lix LM, Lloyd AM. A comparison of methods for the analysis of doubly multivariate data. Paper presented at the annual meeting of the American Educational Research Association, San Francisco CA, April, 2006

Mai XM, Kozyrskyj AL, Sellers AC, Liem JJ, Becker AB. Interactive effect of breastfeeding and childhood overweight on asthma in schoolchildren. *Proc Am Thoracic Soc* 2006; 3: A154

Mai XM, Sellers EAC, Becker AB, Kozyrskyj AL. Fast food consumption, overweight and asthma in preadolescents. *Allergy Asthma Clin Immunol* 2006; 3(4): 149

Martens PJ, Fransoo R, Burland E, Prior H, *The Need to Know* Team, Burchill C, Romphf L, Dacombe J, Ouellette C. How can administrative claims data provide insight into “what works” in policies and programs at the population level? A Manitoba example. Accepted for oral presentation at the Seventh National Conference of the Canadian Rural Health Research Society. Rural & Remote Health: Taking action together. Prince George, BC, October 19-21, 2006

Martens PJ, Fransoo R, Burland E, Prior H, *The Need to Know* Team, Burchill C, Romphf L, Dacombe J. Why do diabetes indicators show geographical variation by sex – is it a data problem? Submitted to the Seventh National Conference of the Canadian Rural Health Research Society. Accepted for presentation at the Rural & Remote Health: Taking action together. Prince George, BC, October 19-21, 2006

Magoon J, Martens PJ, Roos L, van Acker R. Developing and Evaluating Rural Environmental Health Indicators: A Focus on Agricultural Pesticide Use and Risk. Submitted to the Seventh National Conference of the Canadian Rural Health Research Society. Rural & Remote Health: Taking action together. Prince George, BC, October 19-21, 2006

Martens PJ, Fransoo R, *The Need To Know* Team, Burland E., Prior H, Burchill C, Chateau D. What sex differences exist in the quality of physician care, and does this vary geographically? A Manitoba population-based study. Accepted for oral presentation at the 2006 Annual CAHSPR Conference, Vancouver, BC, September 19-20, 2006

Martens PJ, *The Need To Know* Team, Dacombe J. Geographical, sex and income disparity in hip fracture injuries – a Manitoba population-based study. (oral presentation) 97th Annual Canadian Public Health Association Conference: What Determines the Public's Health? Vancouver, BC, May 28-31, 2006

Saurek-Aleksandrovska N, Rabbani R, Becker AB, Kozyrskyj AL. The 13C glucose breath test in children: A simple, non-invasive tool to assess the relationship between insulin resistance, obesity and asthma. *Allergy Asthma Clin Immunol* 2006; 3(4): 152

Walker JR, Clara I, Graff LA, Ediger J, Lix LM, Rawsthorne P, Rogala L, Miller N, McPhail C, Bernstein CN. Positive psychological factors as predictors of quality of life in individuals with inflammatory bowel disease. Symposium presented at the annual convention of the Canadian Psychiatric Association, Toronto ON, November, 2006

Yallop L, MacNeil B, Becker AB, Kozyrskyj AL. Lower cortisol levels associated with childhood asthma: The role of maternal depression. *Allergy Asthma Clin Immunol* 2006; 3(4): 158

Yallop L, McGrath P, MacNeil B, Becker AB, Kozyrskyj AL. Validity of a measure of post-partum depression in health care database studies of childhood asthma. *Allergy Asthma Clin Immunol* 2006; 3(4): 150

2.2.4 Colloquia in the Department of Community Health Sciences

2007

How can administrative claims data provide insight into “what works” at the population-level? Looking at a methodology for exploring the impact of policies and programs. By Patricia Martens, Manitoba Centre for Health Policy, February 23, 2007.

2006

Brownell M. Changes in physician-diagnosed ADHD and use of psychostimulants in Manitoba children: What happened between 1996/97 and 2003/04? (Presented at the Community Health Sciences Colloquium and Grand Rounds, Winnipeg MB, December 15, 2006)

De Coster C. Surgical waiting times, an administrative data approach (Presented at the Community Health Sciences Colloquium and Grand Rounds, Winnipeg MB, November 3, 2006)

Doupe M. A potpourri of PCH (personal care home) research (Presented at the Community Health Sciences Colloquium & Grand Rounds, Winnipeg MB, March 3, 2006)

Katz A. Healthlines: From chronic disease management to colorectal cancer screening (Presented at the Community Health Sciences Colloquium Series, May 12, 2006)

Kozyrskyj A, MacNeil B, Yallop L. An interdisciplinary approach to studying the effects of postpartum depression on children: From cell to society (Presented at the Community Health Sciences Colloquium and Grand Rounds, Winnipeg MB, November 24, 2006)

Lix LM. Agreement between administrative and survey data for identifying chronic disease cases: A population-based analysis (Presented at the Community Health Sciences Colloquium and Grand Rounds, Winnipeg, MB, September 29, 2006)

Martens PJ. Top fives (bottom fives)...how to build (or not!) (Presented at the VP Research Office Workshop for Academic Administrators, Winnipeg MB, November 2, 2006)

Martens PJ. Overview of a research program...So what DO I do for a living? (Presented at the Brown Bag CHS Colloquium Series, Winnipeg MB, October 11, 2006)

2.2.5 CentrePiece Newsletter

Our newsletter, *CentrePiece* was published once during the 2006/2007 fiscal year. Issue No. 18, Fall 2006. This issue is available at <http://www.umanitoba.ca/centres/mchp/cp00indx.htm>

2.3 Workshop Days

2.3.1 Manitoba Health Day

The annual Manitoba Health Day workshop was held Friday, April 21, 2006 at Fort Gibraltar. This day is an opportunity for MCHP researchers to provide Manitoba Health with in-depth sessions on completed research projects and to update them on the status of ongoing research. Health Minister Tim Sale opened the workshop in the morning. The focus of the morning workshop was on the Sex Differences deliverable, with round-table discussions following Randy Fransoo's overview of this report. MCHP researchers Alan Katz, Greg

Finlayson and Malcolm Doupe also highlighted ongoing research in the afternoon. Health policy and research consultant Steven Lewis was the keynote speaker on the topic of *From Evidence to Excellence: A Progress Report and Some Thoughts on A Mid-Course Correction*. A panel discussion was held on *Connecting the Disconnect between Knowledge and Policy* with panelists Dr. Patricia Martens, Steven Lewis and Heather Reichert (Manitoba Health).

2.3.2 Winnipeg Regional Health Authority Day

The Fourth Annual MCHP/Winnipeg Regional Health Authority (WRHA) Workshop was held on January 24, 2007 at Caboto Centre. There were 100 registrants. This collaborative workshop between decision-makers and researchers was titled “Building on our Successes to Optimize MCHP/WRHA Collaborations.” The workshop was jointly sponsored by MCHP and WRHA. Dr. Malcolm Doupe was the MCHP lead organizer for the day. Sessions included facilitated discussions of the Surgical Waiting Times and PCH Quality Indicators report, and updates on projects in progress, i.e. the Surgical Waiting Times, Assessing Frequent Users of ER Sites and the BabyFirst reports.

2.3.3 Rural & Northern Healthcare Day

MCHP’s Rural and Northern Healthcare Day was held October 24, 2006 at the Caboto Centre. This was the thirteenth annual workshop and it was a very successful day with over 180 registrants from all non-Winnipeg regions of Manitoba. Dr. Patricia Martens welcomed everyone and introduced Dr. Sarah Bowen’s presentation on the CIHR-funded project titled “From Evidence to Action: Addressing challenges to knowledge translation in RHA.s” Findings of the recently released PCH Quality of Care Indicators report were presented by Dr. Malcolm Doupe. Following the presentation, there were facilitated roundtable discussions on findings of the report specific to each RHA. The keynote address was delivered by Steven Lewis titled “No Data, No Answers: Why RHAs Should Lead the Health Information Revolution.” Lewis provided an overview of the current state of the challenges facing regional health authorities and the major role they have to play in becoming the ‘data champions.’ The day ended with an overview of upcoming MCHP deliverables and ongoing research projects. Dr. Marni Brownell presented initial findings on the “Evaluation of the BabyFirst (now Families First) Program”; Jen Magoon (a recent Master’s degree graduate) presented her thesis findings on “Environmental Health Indicators of Agriculture Pesticides”; and Dr. Patricia Martens presented some preliminary findings from the current Need to Know deliverable, “What works? Evaluating Manitoba’s regional health programs and policies at the population level.”

2.4 Education

2.4.1 Courses/Lectures Taught in the Department of Community Health Sciences

Number	Title	Instructor
CHS 7410	Readings course in Primary Care Reform	Alan Katz
PH007/12/14/17	Statistical Methods in Health Research 1,2,3,4	Patricia Martens
PH019 & 023	Primary, Secondary and Tertiary Prevention 1 & 2	Alan Katz
PH022	Tertiary Prevention - Diagnosis and Treatment	Alan Katz
PH020	Applying Statistical Methods	Patricia Martens, Lisa Lix, Randy Fransoo, Malcolm Doupe, Dan Cheateau
PH025	Screening and Diagnosis	Alan Katz
PH030/31/34	Using the Medical Literature I, II, III	Alan Katz
PH009	Risk & Causation in Population Health 2	Lisa Lix
PH028	Interdisciplinary Approach to Health Care	Alan Katz
PH069	Health Policy & Health Care Decisions	Carolyn De Coster
PH036	Health Policy - Applying the Concepts	Carolyn DeCoster, Patricia Martens, Malcolm Doupe, Alan Katz, Randy Fransoo
PH035	Using the Medical Literature IV	Alan Katz, Anita Kozyrskyj
93.731	Epidemiology of Health Care	Leslie Roos, Noralou Roos
CHS 7400	Directed Readings in Rural Health Issues	Patricia Martens
	MED IV Review of Statistics	Patricia Martens
97.722	The Ecology of Infectious Diseases (lecture on study design)	Patricia Martens
93.740	Topics in Health Services Research (2 lectures)	Patricia Martens
93.740	Topics in Health Services Research (Coordinator)	Anita Kozyrskyj
72.710	Fundamentals of Allergy & Asthma (lecturer)	Anita Kozyrskyj
CHS 7400	Directed Readings: Structural Equation Modeling	Lisa Lix
	Multiple Specialty Rotation in CHS (undergraduate) Tutorial Leader	Anita Kozyrskyj, Lisa Lix

2.4.2 Courses/Lectures Taught in Other Departments

Faculty/Dept.	Course Title	Instructor
Pharmacy	“The Pharmacist Family Physician Interface” Lecture, Professional Practice, 3rd year Pharmacy students	Alan Katz
Pharmacy	Scientific Principles of Literature Evaluation	Anita Kozyrskyj
Pharmacy	Principles of Professional Practice, 3rd year course	Anita Kozyrskyj
Pharmacy	Principles of Professional Practice, 2nd year course	Anita Kozyrskyj
Medicine	Aboriginal Health & Health Care (lecture on First Nations health & health care use patterns)	Patricia Martens
University of Brandon	Introduction to Structural Equation Modeling	Lisa Lix

2.4.3 Graduate Student Supervision

(current continuing students and students who completed their studies April 1, 2006 to March 31, 2007)

Student Name	Degree Sought	Advisor	Committee Member	Faculty Name
Afifi, Tracy	PhD		Yes	Patricia Martens
Aleksandrowska, Natalija	MSc	Yes		Anita Kozyrskyj
Ali, Ruth	MSc		Yes	Malcolm Doupe
Barclay-Goddard, R.	PhD		Yes	Lisa Lix
Balough, Robert (U Toronto)	PhD		Yes	Marni Brownell
Bozat, Songul	PhD	Yes	Yes	Anita Kozyrskyj, Malcolm Doupe
Briggs, Gemma	PhD		Yes	Marni Brownell
Brown, Cara	MSc		Yes	Malcolm Doupe
Burland, Elaine	PhD	Yes	Yes Yes	Patricia Martens Marni Brownell Malcolm Doupe
Caetano, Patricia	PhD	Yes		Colleen Metge
Clara, Ian	PhD		Yes	Lisa Lix
Dyck, Myrna	PhD		Yes	Patricia Martens
Fisher, Sean	MSc		Yes	Lisa Lix
Fong, Andrew (U Calgary)	MSc		Yes	Les Roos
Fradette, Katherine	MSc		Yes	Lisa Lix
Franklin, Jonathon	PhD	Yes		Anita Kozyrskyj
Fransoo, Randy	PhD	Yes	Yes	Noralou Roos Patricia Martens
Gooi, Malcolm (U Toronto)	Visiting Fellow	Yes		Leslie Roos
Hinds, Aynslie	MSc	Yes		Lisa Lix
Khan, Sazzadal	PhD	Yes		Anita Kozyrskyj
Lavigne, Salme	PhD	Yes		Malcolm Doupe
Li, Bob	PhD	Yes	Yes	Leslie Roos Anita Kozyrskyj
Libich, William	MSc	Yes		Anita Kozyrskyj
Liem, Joel	Post-doctoral	Yes		Anita Kozyrskyj
Magoon, Jennifer	MSc	Yes	Yes	Patricia Martens, Leslie Roos
Mai, Xiaomei	Post-doctoral	Yes		Anita Kozyrskyj
Norrie, Ola	PhD		Yes	Colleen Metge
Pidlubny, Shannon	MSc	Yes		Anita Kozyrskyj
Quan, Hude (U Calgary)	Heritage Scholar			Mentor, Leslie Roos
Raymond, Colette	MSc	Yes	Yes	Anita Kozyrskyj, Alan Katz

Graduate Student Supervision Continued ...

Student Name	Degree Sought	Advisor	Committee Member	Faculty Name
Rona, Hazel Ann	MSc	Yes		Malcolm Doupe
Rosella, Laura (U Toronto)	PhD		Yes	Les Roos
Ross, Susan	MA		Yes	Evelyn Shapiro
Ruth, Chelsea	MSc	Yes		Marni Brownell
Shaw, Souradet	MSc	Yes		Lisa Lix
Sirski, Monica	PhD		Yes	Lisa Lix
Smith, Dawn (U Ottawa)	PhD		Yes	Patricia Martens
Soltys, Pearl	PhD	Yes		Patricia Martens
Thiele, Kevin	MSc		Yes	Alan Katz
Yallop, Lauren	MA	Yes	Yes	Marni Brownell Lisa Lix
Yanqing, Yi	PhD		Yes	Lisa Lix

2.5 Media Interviews

Part of MCHP's mandate is to broaden and inform the debate about health, the healthcare system, and the determinants of population health. MCHP researchers are interviewed by journalists not only when a deliverable report is released, but also when there are other topics of interest. The following is a sample of such interviews.

2007

Brownell M. Tuition freeze luring the rich. Low-income enrolment stays static. Interview with Mary Agnes Welch, Winnipeg Free Press, February 15, 2007.

Fransoo R. Heart care for men, women comparable. Interview with Jen Skerritt, Winnipeg Free Press, February 3, 2007.

Katz A. Cancer meds for those who have the cash. Infusion clinic to offer non-covered drugs (Interview with Jen Skerritt). Winnipeg Free Press, December 17, 2006.

Magoon J. Are crop sprays making us sick? Interview with Vera Lynn Kubinec, CBC TV Country Canada, January 25, 2007.

Magoon J. Are crop sprays making us sick? Interview with Marilyn Maki, CBC Radio Noon host, January 18, 2007.

Magoon J, Martens P. Pesticides pose risk, study says: Rural residents face danger, U of M student researcher finds. Interview with J. Paraskevas Winnipeg Free Press, page A5, January 17, 2007,

Magoon J. Pesticide use. Interview with Marilyn Maki, CBC Radio Noon Show, January 18, 2007.

Magoon J. Health problems more common in areas of heavy pesticide use. Interview with Helen McMenamin, Pesticide & Toxic Chemical News, Volume 35, Number 15, 2007.

Magoon J. Researcher studies insecticide use and public health. Interview with L. Rance, Farmers Independent Weekly, Volume 6, No. 22. page 29, January 11, 2007.

2006

Brownell M. Winkler educators discuss high-risk low-income youth. Interview with Jen Skerritt, Winnipeg Free Press, December 7, 2006.

Brownell M. Is the class half empty? Interview with Agatha Moyer, CBC Information Radio Morning Show, December 6, 2006.

Bruce S. Patient safety in Manitoba report. Interview with Mia Rabson, Winnipeg Free Press, Winnipeg MB, June 24, 2006.

Doupe M. Quality indicators in PCHs report. Interview with Candace Derksen, CFAM Radio, Altona MB, October 19, 2006.

Doupe M. Quality indicators in PCHs report. Interview with Jenn Skerritt, Winnipeg Free Press, Winnipeg MB, October 17, 2006.

Doupe M. Quality indicators in PCHs report. Interview with Richard Cloutier, CJOB Radio, Winnipeg MB, October 17, 2006.

Lix L. GIS: Road map for health. New statistics programs and mapping tools help public health officials integrate disparate data for more accurate analyses. Interview with A. Joch, Government Health IT, June 12, 2006.

Magoon J. Are crop sprays making us sick? Interview with Larry Paul, freelance journalist, Winnipeg MB, November 19, 2006.

Martens PJ. Regional differences in obesity as indicated in the Health Reports release – a comment from a population-health perspective of healthy public policy. CBC Radio: Radio Noon. Winnipeg, MB, August 22, 2006.

2.6 Media Releases

2006

Assessing Care In Manitoba's Nursing Homes: Development of Quality Indicators

Media release for report: *Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes*, October 17, 2006.

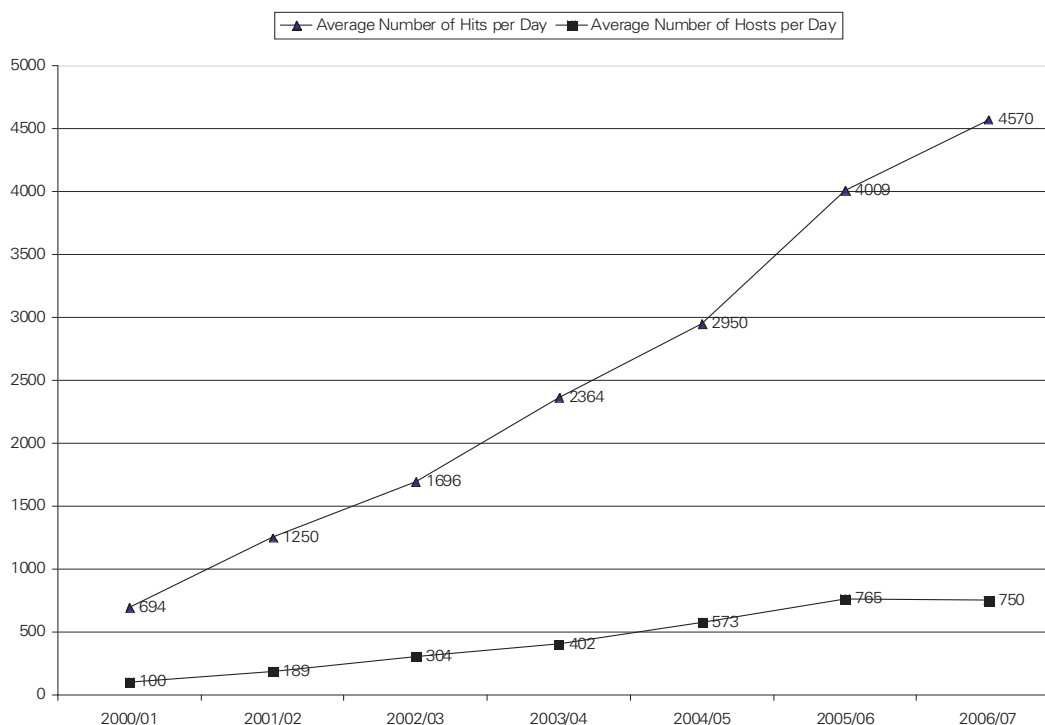
Patient Safety in Manitoba: A First Look, New tool developed to help assess patient safety in Manitoba.

Media release for report: *Application of Patient Safety Indicators in Manitoba: A First Look*, June 23, 2006.

2.7 Website

MCHP began monitoring website use in January 1998, using access logs from the University of Manitoba Apache WWW server. This approach permits counting the number of “hits” and unique hosts accessing and loading information from specified website locations. A hit is counted once for every time a browser goes to the server and requests a new web page. A host represents a unique internet ID, either the IP (internet protocol) number or the resolved host name.

Care is required when interpreting information generated by automated computer monitoring. Hits, for example, are counted once for each graphic file within a web page and once for every time internet crawlers or “bots” are automatically sent by search engines as they update their own sites. Graphic files have been excluded from the counts in the graph below, but internet crawlers are not always easily identified. As well, certain hosts may represent a network of firewalled users who are not distinguishable using this method (for example, one host may represent 50 different users). On the other hand, because of the Concept Dictionary use at Monash University in Australia and “mirroring” of Epidemiology Supercourse lectures in approximately 39 servers worldwide, these figures might represent an underestimate of international interest.



The graph above tracks the average number of hits and hosts per day from April 1, 2000 to March 31, 2007 for the entire website. The total average number of unique hosts accessing the MCHP website has increased dramatically since the year 2000/2001 where we saw an average of 100 unique hosts per day vs 750 in 2006/2007. The actual number of hits/hosts in each month is available here: http://www.umanitoba.ca/centres/mchp/access_record.

Report Downloads

In 2006/2007 MCHP began monitoring downloads of reports in pdf format from the Reports page. There were 56,940 successful requests and 13,872 distinct hosts served. The table below represents the “Top 10” downloaded reports for 2006/2007.

	Report	Requests
1	Indicators of Quality in Family Practice (2004)	1,365
2	Indicators of Quality Care in PCH (2006)	1,213
3	Patient Safety Indicators in Manitoba (2006)	1,105
4	The Manitoba RHA Atlas (2003)	900
5	Family Physicians in Winnipeg (2003)	866
6	Mental Illness in Manitoba (2004)	866
7	Profiling Primary Care Physician Practice (2006)	787
8	Child Health Atlas (2004)	769
9	Pharmaceutical Pricing Policies (2003)	744
10	First Nations Report	723

Research Resources

(see <http://www.umanitoba.ca/centres/mchp/concept/>).

MCHP maintains several web-based resources to facilitate the development and maintenance of an information-rich research environment. The Glossary, Concept Dictionary and Research Protocol are the central components of MCHP’s research resources. They document key terms used in population health and health services research; record conceptual and operational definitions and SAS code for research constructs developed or tested by MCHP researchers; capture critical steps in the implementation of research plans for projects completed with Repository data.

Organizing and centralizing new knowledge so that others can use it—and then pass it on to succeeding generations of researchers—is important for ensuring the high level of research productivity and competitiveness in funding applications for which MCHP researchers are well known.

The Glossary

(see <http://www.umanitoba.ca/centres/mchp/concept/thesaurus/thesaurus.glossary.html>)

The Glossary is the entry point to both the Research Protocol and Concept Dictionary. It is a compilation of short definitions of terms used in MCHP deliverables and other publications. The main focus for Glossary content is population health, health services, and research methods. Individual Glossary terms are accessible through 26 alphabetical files and one numeric file. Each term contains a brief definition and the source for that definition, which may be a Glossary-specific reference list, the Concept Dictionary, Research Protocol, or another identified source. Each term also includes links to related terms, more detailed information contained in the Concept Dictionary or Glossary, or relevant non-MCHP websites.

The Concept Dictionary

(see <http://www.umanitoba.ca/centres/mchp/concept/concept.frame.shtml>)

The Concept Dictionary contains detailed operational definitions of variables or measures used in MCHP research. For example, one concept that was added this year focusses on defining the incidence and prevalence of hormone replacement therapy using administrative data. The incidence and prevalence measures are created, in part, using Anatomic Therapeutic Chemical (ATC) classification codes, which are found in the prescription drug database. The SAS code developed by an MCHP programmer to extract records with the relevant ATC codes from the prescription database, and to calculate the incidence and prevalence measures using population counts from the provincial registry, is included in the concept. However, the SAS code is only available to researchers who have access to MCHP's internal website. The Concept Dictionary can be searched using an expanded search engine. (see <http://www.umanitoba.ca/centres/mchp/concept/search.concept.html>)

The Research Protocol

(see http://www.umanitoba.ca/centres/mchp/protocol_external/)

The Research Protocol focusses on the sequence of activities that facilitate completion of a research project using the administrative data housed in the Repository. These activities include developing the proposal, obtaining the necessary study approvals, defining the study design, and cleaning and analyzing the data. The use of a project website to communicate the research plan and analyses to research team members is also discussed. The Protocol includes a listing of the more than 60 databases housed in the Repository. Descriptions of the source and content of these databases are under development.

The Lupina Foundation

The Lupina Foundation has provided five years of funding to support the enhancement of these leading-edge research resources (Glossary, Concept Dictionary, Research Protocol). In this first year of funding, work has focussed on adding new content about the recent transition from ICD-9-CM to ICD-10-CA, to both the Glossary and Concept Dictionary; operational definitions of co-morbid (i.e., co-occurring) health conditions; and operational definitions for measures of the social determinants of health. ICD-10 is the classification system used by Manitoba to capture diagnoses in vital statistics and hospital data. The recent move to ICD-10-CA in the 2004/05 hospital data means that many MCHP concepts need to be re-defined and validated—a very large and complex task! New measures of the social determinants of health include geographic mobility and educational attainment. The support provided by The Lupina Foundation will enable MCHP to expand its documentation on healthcare costing methods and prescription drug utilization, and to facilitate national and international collaborations on these and other methodological issues.

A number of other resources that may be of interest to individuals who conduct research using administrative data are maintained on MCHP's external website (see <http://www.umanitoba.ca/centres/mchp/teaching.html>). These include the outline and readings for the Department of Community Health Science's graduate course, Epidemiology of Health Care. Online tutorials for using SAS and geographic information system (GIS) software are provided. There are also links to lectures developed by MCHP researchers for the University of Pittsburgh's Epidemiology SuperCourse, an internationally-recognized teaching resource.

2.8 Training, Workshops and Tutorials

CIHR's IPPH-IHSPR Summer Institute

The Manitoba Centre for Health Policy hosted the CIHR's IPPH - IHSPR Summer Institute: "Using population-based health and health services data for research: challenges and opportunities in an intersectoral environment." The Institute took place at Fort Garry Campus from June 19 to 21, 2006 and was sponsored by IPPH and IHSPR, the Public Health Agency of Canada and the Canadian Population Health Initiative. Patricia Martens chaired the Conference and Planning Committee and Carole Ouellette was the Conference Planning Coordinator. Graduate students and post-doctoral fellows in applied health services and policy, or population and public health competed for the opportunity to come to the Summer Institute. There were thirty-one students chosen to attend.

The Institute was held at Fort Garry Campus. Students and facilitators stayed in the lovely Arthur Mauro Residence. Several facilitated group sessions were held each day. Some of the topics were: Data, data everywhere; Socioeconomic gradients, examples of workplace research and pharmaceutical research; A Physician's point of view: How can secondary databases be useful for clinician researchers; Measurement of the Public Health Workplace; CIHR/MCHP Best practices for protecting privacy in health research; Use of secondary data in cross-national health research and in research on child health and development; Building a First Nations health info-structure; From health research to social research; Queue-tips: Measuring wait times with administrative data; Using administrative data for research on the older adult; and, Working more productively: Tools for administrative data.

At the end of each day research mentors were available to answer student questions and for further discussion. There were further opportunities for students to mingle with mentors and other students at the evening social activities. They took in a presentation at the Canadian Science Centre for Human and Animal Health; dinner at the Legislature with Health Minister Tim Sale and speaker Dr. John Frank (Scientific Director, IPPH); Summer Bear Dance Troupe and Aboriginal cuisine at Thunderbird House; French Canadian ambience and cuisine at Fort Gibraltar followed by square dancing lessons. A fantastic time was had by all and hats off to the Planning Committee for a job well done!

Public Health Agency of Canada

MCHP hosted a two-day workshop in December 2006, for the Public Health Agency of Canada titled "Developing a Model and Indicators for Population Needs-Based Planning for Public Health Services and Workforce: The First Steps (Western Canada Workshop)." The goal of the workshop was to establish indicators that will be used to inform public health workforce planning and to encourage the collection of comparable data across jurisdictions that will be used to produce these indicators. The workshop was organized by Patricia Martens, Ron Wall and Greg Finlayson.

Discovery Day in Health Sciences

MCHP hosted a group of high school students participating in Discovery Day in Health Sciences on November 3, 2006. Anita Kozyrskyj, Charles Burchill and Dan Chateau conducted a workshop in the MCHP computer lab titled "Do you know where you live? Mapping health." The students used ArcGIS software to look at the neighbourhoods in which they live and map out the health of those areas. Feedback from teachers accompanying the students (and from the students) was very positive.

2.9 Visitors

Dr. Colleen Flood, the new Scientific Director of CIHR's Institute of Health Services and Policy Research and Professor of Law at the University of Toronto visited MCHP on October 17, 2006 and gave an informal seminar to discuss her thoughts and visions for CIHR-IHSPR over the next several years.

Holly Toupin, RBC Financial Group Regional Vice-President and Annette Sabourin, Manager of Donations for RBC visited MCHP on November 24, 2006. They gave a brief presentation on research projects RBC is currently supporting. They met with MCHP researchers Marni Brownell, Noralou Roos, and Randy Fransoo who provided an overview of the research conducted with the MCHP RBC Foundation gift for research in children's health.

MCHP hosted visitors from Malaysia, September 10 to 22, 2006. Drs. Safurah Hj Jaafar, Noridah Salleh and Fauziah Ehsan are public health physicians working with the Ministry of Health Malaysia. Malaysia is currently moving toward reorganizing primary health care delivery within and without the public sector, to look at risk management in order to improve population health. They have just begun the process of creating electronic facility-based medical databases. They visited MCHP in order to learn more about the process of database management and health policy reform. They met with MCHP researchers and Manitoba Health and Healthy Child Manitoba representatives. They presented on "Primary Health Care in Malaysia –Are we in the Right Direction?" at a noon-hour lecture on Friday, September 15, 2006. Their visit was funded by the WHO as a short-term fellowship program to learn from countries that have made significant contributions in these areas.

Emma Brook, Project Officer, Western Australia Data Linkage Unit and recipient of the Fay Gale Fellowship (a Fellowship to assist staff at an early stage in their career to spend a period overseas, normally of not less than three months, working in another educational institution) spent two weeks at MCHP from November 4, 2006 – November 18, 2006. Her aim was to visit four of the main international data linkage centres in order to observe how each operates and then travel to the World Health Organization (WHO) in Geneva to propose the establishment of a system where the international centres can report the findings of linked data studies to the WHO for posting. While at MCHP Ms. Brook presented a seminar on November 15, 2006, on the topic of "WA Data Linkage System: Developments, Research Outputs and Future Directions."

In June 2006, MCHP was pleased to host Dr. Jane Freemantle from the University of Western Australia. On June 27th she presented a talk to the Union Centre, Winnipeg entitled "Challenges in Aboriginal Child Health in Western Australia: Research Findings and Policy Implications". Jane also participated in a two-day workshop entitled "A New Public Strategy for Children in Care: Manitoba/Australia Collaboration."

3.0 PEOPLE

3.1 Advisory Board Members

The role of the Advisory Board is to develop a broad perspective on problems confronting our health system and potential solutions, to advise and assist MCHP to determine an appropriate set of activities to meet its goals and objectives, and to assure the long-term viability of MCHP. The Board meets twice a year. The following people served as members of MCHP's Advisory Board for all or part of the fiscal year ending March 31, 2006.

CHAIR:

Dr. Brian Postl, MD, Chief Executive Officer, Winnipeg Regional Hospital Authority

MEMBERS:

Harvey Bostrom, Deputy Minister, Aboriginal and Northern Affairs, Province of Manitoba

Ken Brown, MD, MBA, Registrar, Chair, Health Research Ethics Board, Faculty of Medicine, University of Manitoba

John Clarkson, Deputy Minister, Science, Technology, Energy and Mines, Province of Manitoba

David Collins, PhD, Dean and Professor, Faculty of Pharmacy, University of Manitoba

Michael Decter, Chair, Board of Directors, Canadian Institute for Health Information

Gerald Farthing, Acting Deputy Minister, Education, Citizenship and Youth, Province of Manitoba

Robert Kerr, PhD, Vice-President Academic and Provost, University of Manitoba

Patricia Martens, PhD, Director, Manitoba Centre for Health Policy; Associate Professor, Department of Community Health Sciences, University of Manitoba

Arthur V. Mauro, OC, OM, QC, LLD, Counsel, Aikins Macaulay and Thorvaldson; Chair, Board of Directors, Winnipeg Airport Authority

Tannis Mindell, Secretary to the Treasury Board, Province of Manitoba

J. Fraser Mustard, MD, PhD, OC, President, The Founder's Network; Founding President, Canadian Institute for Advanced Research

John O'Neil, PhD, Head, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba

Heather Reichert, Chief Financial Officer, Manitoba Health, Province of Manitoba

Leslie L. Roos, PhD, Founding Director, Population Health Research Data Repository, Manitoba Centre for Health Policy; Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba

J. Dean Sandham, MD, FRCPC, FACP, Dean, Faculty of Medicine, University of Manitoba

Milton Sussman, Deputy Minister of Family Services and Housing, Province of Manitoba

Mark Taylor, MD, Deputy Head, Department of Surgery, St Boniface General Hospital; Associate Professor, University of Manitoba

Neil Walker, CEO, Regional Health Authority - Central Manitoba Inc.

Arlene Wilgosh, Deputy Minister of Health, Province of Manitoba

3.2 Faculty and Staff

Directors

Patricia Martens, Director, Associate Professor, Senior Researcher

Carolyn De Coster, Associate Director of Research, Assistant Professor, Senior Researcher

Lisa Lix, Associate Director of the Repository, Assistant Professor, Senior Researcher

Alan Katz, Associate Director of Research, Associate Professor, Senior Researcher

Researchers and Senior Researchers

Marni Brownell, Senior Researcher

Dan Chateau, Researcher/Statistician

Malcolm Doupe, Researcher

Greg Finlayson, Researcher

Randy Fransoo, Researcher

Norm Frohlich, Senior Researcher

Anita Kozyrskyj, Researcher

Colleen Metge, Researcher

Leslie Roos, Founding Director, Population Health Research Data Repository and Senior Researcher

Noralou Roos, Founding Director, Senior Researcher

Evelyn Shapiro, Senior Researcher

Research Coordinators

Ruth Bond, Lead Research Coordinator

Ruth-Ann Soodeen, Research Coordinator

Matthew Stargardter, Research Coordinator

RBC Foundation Research Fellows

Anne Guèvremont, RBC Foundation Research Fellow

Doug Jutte, RBC Foundation Clinical Research Fellow

Irene Yen, RBC Foundation Research Fellow

Systems Development, Programming, Security and Technical Support

Wendy Au, Data Analyst

Bogdan Bogdanovic, Data Analyst

Charles Burchill, Senior Data Analyst & Privacy Officer

Don Foti, IT Support

Matthew Dahl, Data Analyst

Shelley Derksen, Data Analyst

Natalia Dik, Data Analyst
Oke Ekuma, Data Analyst
Shamima Huq, Data Analyst
Humaira Khair, Data Analyst
Leonard MacWilliam, Data Analyst
Phongsack Manivong, Data Analyst
Rod McRae, IT Coordinator
J Patrick Nicol, Data Acquisition Consultant
William Peeler, Data Analyst
Heather Prior, Data Analyst
Monica Sirski, Data Analyst
Ken Turner, Data Analyst
Randy Walld, Data Analyst
Marina Yogendran, Data Analyst

Administration

Paulette Collins, Chief Administrative Officer
Carole Ouelette, Executive Assistant and Office Manager

Finance and Research Support

Jo-Anne Baribeau, Research Support
Theresa Daniuk, Research Support
Wendy Guenette, Research Support
Janine Harasymchuk, Communications Officer & Research Support
Linda Henderson, Finance Support
Phyllis Jivan, Research Support
Linda Kostiuk, Finance Support
Carola Lange, Finance Support
Sherry LaPlante, Finance Support
Shannon Lussier, Research Support
Debbie Molina, Finance Support

Research Assistants & Student Research Assistants**Continuing**

KoKo Bate Agborsangaya, Mahmoud Azimae, Elaine Burland, Jeremy Dacombe, Beth Edwards, Nicole Fehr, Sam Kohnats, Anita Lloyd, Jennifer Magoon, Thea Pretoria, Linda Romphf, Jennifer Schultz, Souradet Shaw, Stephanie Smith, Nadine Tonn, Lauren Yallop, Grace Xiang

3.3 Associates

The designation of *Associate* of the Manitoba Centre for Health Policy was created to recognize the valuable contribution made to its research by external participants. To qualify as an associate, the person applies and is evaluated in terms of collaborative research with an MCHP Researcher, have an ongoing commitment to health services research, have previous research involvement with scholarly publications, and/or have clinical/policy expertise that is of assistance to MCHP Researchers in framing research questions, interpreting results of particular analyses and advising on the policy implications of the findings.

Nick Anthonisen, MD, PhD, Professor, Department of Internal Medicine, University of Manitoba

Fred Aoki, MD, Professor, Department of Medical Microbiology, University of Manitoba

Charlyn Black, MD, ScD, Director, Centre for Health Services and Policy Research; Professor, Department of Health Care and Epidemiology, University of British Columbia

Sharon Bruce, PhD, Assistant Professor, Department of Community Health Sciences, University of Manitoba

Shelley Buchan, MD, FRCPC, Medical Officer of Health, Regional Health Authority-Central Manitoba Inc.

Keumhee Chough Carrière, PhD, Professor, Department of Mathematical Sciences, University of Alberta

Tom Carson, Former Deputy Minister of Culture, Heritage and Tourism, Province of Manitoba

Eilish Cleary, MD, Medical Officer of Health, Emergency Preparedness & Response, Office of the Chief Medical Officer of Health, Province of Manitoba

Raisa Deber, PhD, Professor, Department of Health Policy, Management and Evaluation, Faculty of Medicine, University of Toronto

Evelyn Forget, PhD, Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba

Maureen Heaman, RN, PhD, Associate Professor, Faculty of Nursing, University of Manitoba

Philip Jacobs, D Phil, CMA, Professor, Public Health Sciences, Faculty of Medicine, University of Alberta

Doug Jutte, MD, MPH, School of Public Health, University of California, Berkeley

Meir Kryger, MD, FRCPC, Professor and Director, Sleep Disorders Centre, Faculty of Medicine, University of Manitoba ; Division Head, Education, World Health Organizations World-Wide Project on Sleep Disorders

Barbara Law, MD, FRCPC, Associate Professor, Department of Pediatrics and Child Health, and Department of Medical Microbiology, University of Manitoba; Section Head, Pediatric Infectious Diseases, Children's Hospital, Health Sciences Centre

William Leslie, MD, FRCPC, Section of Nuclear Medicine, St. Boniface General Hospital; Associate Professor, Internal Medicine and Radiology, Faculty of Medicine, University of Manitoba

Doug Manuel, BSc, MD, MSc, FRCPC, Assistant Professor in the Department of Public Health Sciences, University of Toronto, Scientist, Institute of Clinical Evaluative Sciences

Blake McClarty, MD, FRCP, Associate Professor, Department of Radiology, University of Manitoba ; Clinical and Research Director, Magnetic Resonance Imaging Unit, St. Boniface General Hospital

Verena Menec, PhD, Associate Professor, Department of Community Health Sciences, Director, Centre on Aging, University of Manitoba

Michael Moffatt, MD, Executive Director, Research and Quality, Winnipeg Regional Health Authority

Steve Morgan, PhD, Centre for Health Services & Policy Research, University of British Columbia

Nazeem Muhajarine, PhD, Associate Professor and Research Faculty, Department of Community Health and Epidemiology, University of Saskatchewan

Robert P Murray, PhD, Associate Professor and Director, Alcohol and Tobacco Research Unit, Department of Community Health Sciences, University of Manitoba

Cameron Mustard, ScD, Professor, Department of Public Health Sciences, University of Toronto ; President and Scientific Director, Institute for Work and Health, Toronto

John O'Neil, PhD, Head, Department of Community Health Sciences, University of Manitoba

Hude Quan, PhD, Assistant Professor, Department of Community Health Sciences, University of Calgary

Robert Reid, MD, PhD, Associate Director, Department of Preventive Care, and Investigator, Center for Health Studies, Group Health Cooperative of Puget Sound, Seattle, Washington

Jan Roberts, MD, PhD, Medical Officer of Health, South Eastman Region, Manitoba; Assistant Professor, Department of Community Health Sciences, University of Manitoba

Phil St. John, MD, MPH, Assistant Professor, Department of Internal Medicine, University of Manitoba

Estelle Simons, MD, FRCPC, Bruce Chown Professor and Head, Section of Allergy and Clinical Immunology, Department of Pediatrics and Child Health, University of Manitoba

Leonie Stranc, PhD, Leader, Innovation and Business Planning, CancerCare Manitoba

Len Syme, PhD, Department of Epidemiology, School of Public Health, University of California – Berkeley

Laura Targownik, MD, Assistant Professor, Department of Internal Medicine, University of Manitoba

Diane Watson, PhD, Assistant Director, Institute of Health Services and Policy Research; Research Associate, Centre for Health Services and Policy Research, University of British Columbia

3.4 Collaborators

Many people collaborate with MCHP researchers, enabling a broad variety of research studies to take place. Collaborative research helps to increase access to and use of the Repository, to investigate questions beyond the scope of MCHP researchers, and to explore valuable issues relating to population health, health policy and the determinants of health.

Geoffrey Anderson, ICES, Health Policy, Management and Evaluation, University of Toronto

Nick Anthonisen, MD, PhD, Professor, Department of Internal Medicine, University of Manitoba

Katsuhisa Banno, Sleep Lab, St. Boniface Hospital Research Centre

Morris Barer, Health Care & Epidemiology Department, University of British Columbia

Gordon E. Barnes, Child & Youth Care (CHIL), University of Victoria

Jean-Marie Berthelot, Vice-President, Programs, Canadian Institute for Health Information

Charlyn Black, Health Care & Epidemiology Department, University of British Columbia

Jennifer L. Bodnarchuk, Addictions Foundations of Manitoba

Susan Bondy, Institute for Clinical & Evaluative Sciences, Public Health Science, University of Toronto

Gillian Booth, Division of Endocrinology & Metabolism, St. Michael's Hospital, Toronto

Sarah Bowen, Winnipeg Regional Health Authority

W. Thomas Boyce, Community Health & Human Development University of California, Berkeley

Linda Burnside, Child Protection Branch, Manitoba Government

Anita Carrie, Faculty of Pharmacy, University of Alberta

K.C. Carriere, Mathematical & Statistical Science, University of Alberta

Alice Charach, Department of Psychiatry, The Hospital for Sick Kids, Toronto

Bernard Choi, Public Health Agency of Canada, Health Canada

Barbara Chun, Statistics Canada

John Connett, Lung Health Study DCC, Coordinating Center for Biometric Research, Minneapolis

Doug Coyle, Statistics Canada

Marilyn Cree, University of Alberta

Raisa Deber, Health Policy, Management and Evaluation, University of Toronto

Phillippe De Wals, Department of Social & Preventive Medicine, Laval University

Pierre Ernst, Clinical Epidemiology, McGill University

Albert Eros, Pharmacy, WRHA

Robert Evans, Economics, University of British Columbia

Mark Fendrick, School of Public Health, University of Michigan

Marcia Finlayson, Occupational Therapy - AHS, University of Illinois

Gudran Fritz, Aboriginal Affairs Secretariat, Manitoba Government

Katherine Frohlich, Faculté de médecine, Médecine sociale et préventive, University of Montreal

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- Sumit Gupta**, Medical Resident, University of Toronto
- Petra Heppner**, Institute of Health Services and Policy Research, University of British Columbia
- Jeanette Holden**, Psychiatry, Physiology, Queen's University
- Christian Houle**, Analytical Studies Branch, Statistics Canada
- Janet Hux**, ICES, Medicine, Sunnybrook Hospital, University of Toronto Clinic, University of Toronto
- Lisa Huzel**, St. Joseph's Healthcare, Hamilton
- Brian Jacob**, John F. Kennedy School of Government, Harvard University
- Philip Jacobs**, Public Health Science, University of Alberta
- Doug Jutte**, School of Public Health, University of California, Berkeley
- George Kephart**, Community Health & Epidemiology, Dalhousie University
- Tamara Knighton**, Statistics Canada
- Jeff Kwong**, Epidemiology Graduate Student, University of Toronto
- Benjamin Levin**, Faculty of Education, University of Toronto
- Yahong Li**, Department of Epidemiology, University Hospital, Saskatoon
- Elizabeth Lin**, ICES, Health Systems Research and Consulting Unit at the Centre for Addiction and Mental Health (Clarke Site), University of Toronto
- Stefania Maggi**, Education, Thompson Rivers University, British Columbia
- Fawziah Marra**, Faculty of Pharmaceutical Sciences, University of British Columbia
- Douglas Manuel**, ICES, Public Health Services, University of Toronto
- Allison McGeer**, Departments of Laboratory Medicine & Pathobiology & Public Health Sciences, University of Toronto
- Steve Morgan**, Health Care & Epidemiology, University of British Columbia
- Nazeem Muhajarine**, Community Health & Epidemiology/ Community-University Institute for Social Research, University of Saskatchewan
- Cameron Mustard**, Public Health Sciences, University of Toronto
- Christine Newburn-Cook**, Faculty of Nursing, University of Alberta
- Kelly Nicol**, Community Health & Epidemiology Graduate Student, Dalhousie University
- Christine Ogaranko**, Policy Analyst, Social Planning Council of Winnipeg Philip Oreopoulos, Economics, University of Toronto
- Helen Ouellette-Kuntz**, Community Health and Epidemiology, Psychiatry, Queen's University

Derek Pachal, SEED Winnipeg Incorporated

Roger Philippe, St. Boniface Hospital, Winnipeg

Eleoussa Polyzois, Education, University of Winnipeg

Hude Quan, Community Health Sciences-Faculty of Medicine, University of Calgary

Robert Reid, Centre for Health Services and Policy Research, University of British Columbia

Janice Roberts, Manitoba Health

J. Renée Robinson, School of Health Studies, Brandon University

John Ronald, Sleep Lab, St. Boniface Hospital Research Centre

Nancy A. Ross, Statistics Canada

Diane Rothwell, ICES, University of Toronto

Reginald Sauve, Health Surveillance, Alberta Health and Wellness, University of Alberta

Donald Schopflocker, Health Surveillance, Alberta Health and Wellness, University of Alberta

Susan Schultz, ICES-Senior Research Coordinator, University of Toronto

Danuta Skowronski, Epidemiology Services, British Columbia Centre for Disease Control

Mark Stabile, ICES, Economics, University of Toronto David Stewart, Politics, University of Calgary

Therese Stukel, ICES, Health Policy, Management and Evaluation, University of Toronto

Larry Svenson, Alberta Health

S. Leonard Syme, Epidemiology, University of California, Berkeley

Alan M. Tenenhouse, Medicine (Montreal General Hospital), McGill University

Kimberly Thompson, Harvard University Monica Tomiak, Statistics Canada

Suzanne Tough, Pediatrics, University of Calgary

Stephane Tremblay, Statistics Canada

Suzanne Tyas, Sanders- Brown Center on Aging, University of Kentucky

Ross Upshur, Primary Care Research Unit Director, Sunnybrook and Women's College Health Sciences Centre, University of Toronto

Paul Veugelers, Community Health & Epidemiology, Dalhousie University

Diane Watson, Institute of Health Services and Policy Research, University of British Columbia

J. Ivan Williams, ICES, Sunnybrook and Women's College Health Sciences Centre, Toronto Rehabilitation Institute, University of Toronto

Michael Wolfson, Statistics Canada

Jianhong Wu, Math & Statistics, York University

Keyi Wu, ICES, University of Toronto

Kue Young, Public Health Sciences, University of Toronto

3.5 Committees

Marni Brownell

- CIHR Masters Research Award Committee member, Canadian Institutes of Health Research
- CIHR Doctoral Research Award Committee member, Canadian Institutes of Health Research
- Core Member, Canadian Institute for Advanced Research, New Investigators' Network
- Peer Review Committee member, The Canadian Initiative on Social Statistics (CISS), Strategic Joint Initiative of SSHRC and Statistics Canada.
- Member, Canadian Council on Learning Early Childhood Development Monitoring Committee
- Member. St. Amant Centre Community Research Advisory Committee
- Working group member, *The Need to Know* What Works? Report

Carolyn De Coster

- Steering Committee, Winnipeg Regional Health Authority-WCWL Implementation
- Steering Committee, Western Canada Waiting List Project, Phase 2
- Research Committee, Western Canada Waiting List Project, Phase 2

Malcolm Doupe

- Research Affiliate, Centre on Aging, University of Manitoba
- Member, Health Research Ethics Board, Faculty of Medicine, University of Manitoba
- Workshop Chair, Annual Workshop for Manitoba Health and Winnipeg Regional Health Authority
- Member, Executive Council, Department of Community Health Sciences, University of Manitoba
- Member, Graduate Student Committee, Department of Community Health Sciences, University of Manitoba

Greg Finlayson

- Director, Carolyn Sifton Foundation Inc.
- Member, University of Illinois at Chicago, School of Public Health Executive Committee
- Member representing the American Public Health Association, US Lifeguarding Standards Coalition
- Member, Planning Committee, Developing a Model and Indicators for Population Needs-based Planning for Public Health Services and Workforce. The First Steps
- Member, University of Illinois at Chicago School of Public Health Accreditation Survey Committee

Randy Fransoo

- Member of the Manitoba Early Child Development Advisory Committee
- Member, Community Health Assessment Network
- Member of the Board of Directors, Carter Daycare Inc

Alan Katz

- Member, CancerCare Manitoba Guidelines Implementation Steering Committee
- Member, National Collaborating Centre for Infectious Diseases: Influenza Pandemic Task Force
- Member, Premiers Economic Advisory Council Health Summit Steering Committee
- Member, Primary Health Care Indicator Development Advisory Committee, CIHI
- Member, CIHR Health Services Evaluation and Interventions Research A: Review Committee
- Member, Canadian Strategy for Cancer Control: Primary Prevention Action Group
- Member, Medical Advisory Committee, St. Boniface Hospital
- Member, Manitoba Drug Standards & Therapeutics Committee, Manitoba Health
- Medical Advisor, Manitoba Prostate Cancer Support Group

Anita Kozyrskyj

- Member, CHIR Research Advisory Group, University of Manitoba
- Member, Executive Committee, Community Health Sciences
- Member, Graduate Committee, Community Health Sciences
- Chair, Curriculum Committee, Faculty of Pharmacy
- Member, Endowment Committee, Faculty of Pharmacy
- Member, CIHR Allied Health Professionals Awards Committee
- Chair, Organizing Committee, ImmunoGenetics Workshop II, Winnipeg
- Chair, Organizing Committee, Pharmacy Curriculum Retreat
- Chair, Organizing Committee, Samy Suissa, Visiting Speaker Series, NTPAA

Lisa Lix

- Member, Executive Council, Department of Community Health Sciences
- Member, Graduate Committee, Department of Community Health Sciences
- External Grant Reviewer, Health Sciences Centre Foundation
- Judge, CIHR National Health Research Poster Competition, University of Manitoba
- Expert Advisor, Manitoba Longitudinal Study of Young Adults
- Member, CIHR Access to Quality Cancer Care Grants Review Committee
- External Ad Hoc Reviewer, CIHR Virology and Viral Pathogenesis Committee
- Member, Manitoba Health Information Privacy Committee
- Abstract Reviewer, Canadian Association for Health Services & Policy Research Conference
- Member, Manitoba Health Information Standards Committee
- Board Member, Statistical Society of Canada
- Member, Canadian Institutes of Health Research, Health Services Evaluation and Interventions Research – A, Grants Review Committee
- Member, Scientific Committee, American Statistical Association's International Conference on Health Policy Research

Patricia Martens

- Chair and organizer of the 2006 CIHR Summer Institute for IPPH/IHSPR: "Using population-based health and health services data for research: Challenges and opportunities in an intersectoral environment."
- Organizer and chair: 13th Annual MCHP Rural and Northern Healthcare Day, Winnipeg, MB, October, 2006
- Member of the Institute Advisory Board, Institute of Population and Public Health, CIHR
- Member of the Executive Committee, Community Health Sciences, University of Manitoba
- Member of the Headship Search Committee for Community Health Sciences, University of Manitoba
- Member, Health Promotion, Policy and Planning Advisory Committee (HPPAC) of the Heart and Stroke

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- Foundation of Canada
 - Expert advisor to the Baby Friendly Coordinating Committee of Manitoba, Manitoba Health and the Regional Health Authorities
 - ACADRE Review/Advisory Committee (2002 onward) (Aboriginal Capacity and Developmental Research Environments), through the Manitoba First Nation Centre for Aboriginal Health Research
 - Individual expert member on the Breastfeeding Committee for Canada (2001-present)
 - Member of the Senate Committee on University Research (2006-2008), University of Manitoba
 - Member of the Centres for Research Development (CRD) Program Evaluation Advisory Group, CIHR IPPH (2006-2009)
 - Member of the Network of Centre Directors in Health Services and Policy Research (CIHR IHSPR, CHRSE, CAHSPR) April 2004+
 - Member of the Manitoba Health Community Health Assessment & Health Indicator Expert Resource Group (2006/2007)
 - Editorial Review Board Member, Journal of Human Lactation (September 2006 - September 2009)

Colleen Metge

- Member, Manitoba Health Research Council
- Alumni Member, Lambda Kappa Sigma
- Review Panel Member, Interprofessional Education for Collaborative Patient-Centred Practice Editorial Board Member, Research in Social & Administrative Pharmacy journal
- Member, Scientific Advisory Council, Osteoporosis Society of Canada

Leslie Roos

- Associate Emeritus, Population Health Program, Canadian Institute for Advanced Research
- CIHR Grant Review Committee for the Institute of Health Services & Policy Research

Noralou Roos

- Member (Scientist), Manitoba Institute of Child Health (MICH)
- Member, Multidisciplinary Assessment Committee, Canadian Foundation for Innovation
- Member, Expert Advisory Symposium for Human Early Learning Partnership, University of British Columbia
- Chair, Promotion and Tenure Committee, Department of Community Health Sciences, University of Manitoba
- Advisory Board Member, CIHR Project “Centering the human subject in health research: Understanding the meaning and experience of research participation.”
- Mentor, Canadian Institute for Advanced Research, New Investigators' Network
- Member, Advisory Committee, Human Early Learning Partnership, UBC

Evelyn Shapiro

- Senior Scholar, Department of Community Health Sciences
- Member, Gerontological Advisory Committee, Department of Veterans Affairs
- Chair, Family Care Committee, Sub-Committee of the Gerontological Advisory Committee, Department of Veterans Affairs
- Member, Search Committee, Department of Community Health Sciences

3.5 Special Awards and Honours

- Evelyn Shapiro: Appointed as a Member to the Order of Canada by the Right Honourable Michaëlle Jean, Governor General of Canada
- Charles Burchill: Received an Honourable Mention in the SAS 2006 Customer Value Award competition. This award is given to an individual for their ongoing support in their local SAS community
- Leslie Roos: Awarded the prestigious honour of Distinguished Professor, by the University of Manitoba
- Patricia Martens: Nominee in the category of “Research and Innovation” for the YMCA/YWCA Women of Distinction 2006 Award
- Patricia Martens: Awarded by the Canadian Health Services Research Foundation (CHSRF) co-winner of “CHSRF’s Best and Most Celebrated Facilitator”

4.0 FINANCES

In addition to the \$1.85 million in funding received from Manitoba Health (as detailed in Figure 1), MCHP researchers continued to be successful in receiving career awards and research grants in peer-reviewed competitions. Additional funds received totalled \$2.175 million. Operating funds from these sources for 2006/2007 fiscal year totalled approximately \$1.8 million (Figure 2).

Figure 1: Manitoba Centre for Health Policy Yearly Budget - April 1, 2006 to March 31, 2007

Salaries	
Staff	1,234,000.00
Staff Benefits	174,000.00
Payroll Levy	26,500.00
External Contracts	70,000.00
Salaries Subtotal	\$1,504,500.00
Other Expenditures	
General Office Expenses	190,150.00
Equipment	
Purchases	111,000.00
Maintenance	4,000.00
Travel	40,000.00
Other Expenditures Subtotal	345,500.00
TOTAL EXPENDITURES	\$1,850,000.00

Figure 2: Additional operating funds received in 2006/2007

