



**MANITOBA CENTRE FOR HEALTH POLICY**

**Annual Report**  
**2005/2006**

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



UNIVERSITY  
OF MANITOBA

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## MISSION STATEMENT

*The Manitoba Centre for Health Policy (MCHP) undertakes population-based health services research and policy analyses. MCHP relies upon the unique Population Health Research Data Repository to describe and explain patterns of care and profiles of health and illness. MCHP's mission is to provide accurate and timely information to health care decision-makers, analysts and providers, so they can offer services which are effective and efficient in maintaining and improving the health of Manitobans. The Centre is a research unit in the Department of Community Health Sciences, Faculty of Medicine, University of Manitoba.*



## DIRECTOR'S LETTER



The past year has been one of change and growth both for the Manitoba Centre for Health Policy and myself. The changes began on July 1, 2006 when I was appointed Director of MCHP. The year has afforded growth opportunities for research at MCHP and for expansion in my new role.

There have been many exciting expansions to MCHP's research capacity with funding successes received from both granting agencies and private funders. They include:

- The Lupina Foundation funding of the project titled *Maintaining and enhancing tools for administrative databases* under the leadership of Leslie Roos and Lisa Lix.

The Manitoba Health Research Council is providing funding to:

- Carolyn De Coster for the study exploring *The Impact of Cataracts and Cataract Surgery on the Use of Healthcare for Injuries, Falls, Fractures and Dependence*.
- Lisa Lix who will be *Analyzing multidimensional longitudinal data: Applications to health-related quality of life*.

CIHR has provided funding to:

- Marni Brownell, Noralou Roos, Anita Kozyrskyj and Leslie Roos who are *Unpacking the gradient, digging deeper: Who, what, when, why, how?*
- Malcolm Doupe for the MCHP/WRHA *Strengthening the Translation of Evidence into Policies (STEPs): Collaborative Workshops and Working Groups between Decision-Makers and Researchers*
- Lisa Lix to conduct a study titled *Methods for estimating chronic disease prevalence and incidence from administrative data*
- Alan Katz to conduct the study *Testing the effectiveness of health lines in chronic disease management of congestive heart failure*.

MCHP researchers attended the first Annual Department of Community Health Sciences Strategic Planning Retreat in March 2005. This retreat was a valuable interaction that has set the stage for future strategic planning within the department.

Part of MCHP's planning process includes a review of MCHP by external reviewers. The External Review took

place this past fall under the leadership of Brian Postl, chair of MCHP's Advisory Board. Jonathan Lomas acted as chair of the review panel and the panel members were Kevin Kavanaugh and John Horne. Progress made since the last review in 1999 toward achieving the Centre's goals and mission were reviewed. I look forward to working on the recommendations of this review along with the Advisory Board comments received during the May 2006 meeting. MCHP researchers and other stakeholders will be embarking on a review of the Centre's mission and developing a strategic vision in the upcoming year.

Knowledge translation continues to be a significant portion of what we do both through the publication of deliverables, workshops for stakeholders and decision-makers, web-based resources, and the ongoing activities of *The Need to Know* Team.

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, Brian Postl.
- Health Minister Tim Sale 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; Minister Diane McGifford, Advanced Education and Training; Acting Deputy Minister Gerald Farthing, Education, Citizenship and Youth; and Deputy Minister John Clarkson, Energy, Science and Technology, all of whom have encouraged and supported our research interests into 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, Chief Information Officer, 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 one of our Working Groups.

And, of course, all the MCHP researchers and support staff whose hard work and conscientious commitment is critical to the success of MCHP's activities!

Patricia J. Martens, PhD  
Director and Associate Professor

## DELIVERABLES

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.

### Deliverables Completed

**Sex Differences in Health Status, Health Care Use, Outcomes and Quality of Care:**

**A Population-Based Study for Manitoba's Regional Health Authorities**

Released November 24, 2005, this report reveals how males and females in Manitoba compare on a variety of key health indicators. Descriptive results are provided for RHAs and districts, as well as by age and neighbourhood income level. The indicators cover many areas, including mortality, chronic diseases, use of physicians, hospitals, home care, personal care homes, and pharmaceuticals. The report also features chapters addressing sex differences in cardiac care, outcomes of hospital care, and indicators of the quality of physician care. This is the third report involving *The Need To Know* Team (funded by CIHR) Team.

### Deliverables in Progress

**Patient Safety Issues: A Systems-Wide Approach for Manitoba**

This project is framing quality of care, not as a medical error issue but as an issue of patient safety. Indicators of patient safety are being 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.

**Profiling the Care Delivered by Primary Care Practices: A Baseline Measure**

The focus of this research is 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 are 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 is a methodological study, 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.

**Defining & Validating Chronic Diseases: An Administrative Data Approach**

This deliverable establishes 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.

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

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 recent MCHP report identified wide variation in the percentages of PCH residents transferred to hospitals near the end of life (Menec et al.), 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, will be of interest to Manitoba Health, RHAs, individual PCHs and care providers.

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

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**

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**

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**

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**

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**

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

**Evaluation of the BabyFirst Program (Healthy Child Manitoba)**

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. The evaluation will focus on outcomes for the target children which include health (mortality rate, hospitalizations, emergency room visits, physician visits and positive outcomes), history of protection and support (foster care or protective services). Selected outcomes for mothers of target children (age at birth of first child, depression diagnoses) will be assessed to determine their relationship to child outcomes. Family factors such as residential mobility, marital status, number of children, and spacing between children will also be explored.

## RESEARCH

### Endowments/Gifts

#### Endowed Chair in Child Health

The Endowed Chair in Child Health was awarded by the Department of Energy, Science and Technology, Province of Manitoba and will be available in January 2008. It will support a long-term senior researcher who will coordinate and lead child health research at MCHP.

#### Evelyn Shapiro Health Services Research Award

This fund was established to provide an annual award to a graduate student in the Faculty of Graduate Studies, specifically in the Faculty of Medicine, who is conducting research which will use the Population Health Research Data Repository.

#### RBC Foundation Award for Research in Children's Health

This award of \$750,000 was given to MCHP for the period January 2002 through January 2008, for Research in Children's Health. This gift provides 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

This donation of \$685,000 (July 2005 to June 2010), provides support to enhance MCHP research resources (Glossary, Concept Dictionary, Research Protocol). The project is titled "Research Knowledge Transfer—A Web-Based Concept Dictionary."

### Personnel Awards

- Marni Brownell: CIHR New Investigator Award and Research Allowance, 2001 - 2006, \$385,485.
- Lisa Lix: CIHR New Investigator Award, 2006 – 2011, \$250,000.
- Patricia Martens: CIHR New Investigator Award, 2003 - 2008, \$250,000.
- Patricia Martens: CIHR Knowledge Translation Award for Regional Impact, (P. Martens, MCHP and *The Need To Know* Team), November 2005, \$20,000
- Noralou Roos: Canada Research Chair in Population Health, 2001 - 2007, \$1,225,000.

### 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."

Brownell M, Kozyrskyj AL, Roos LL, Roos NPR. \$25,000, 01/2005 – 12/2005. "A New Public Health Strategy for Children in Care: Developing a Canadian/Australian Collaboration."

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. \$10,000, 2005. “Strengthening the translation of evidence into policies (STEPS): Collaborative workshops and working groups between decision makers and researchers.”

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

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

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

Roos NP, Brownell M, Kozyrskyj A, Roos L. \$25,000, 01/2005 – 12/2005. “A New Public Health Strategy for Children in Care: Developing a Canadian/Australian Collaboration.”

### **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.”

### **Institute for Health Services and Policy Research**

Metge C, Alessi-Severini S, Katz Z, Bugden S, Macnair K. \$7,000, 2005/2006. “Towards a Strategy for Pharmaceutical Use in Manitoba (workshop).”

### **Manitoba Health**

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

### **Manitoba Health Research Council:**

DeCoster C. \$41,380, 2005 – 2006: “The Impact of Cataracts and Cataract Surgery on the use of Healthcare 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.”

### **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.”

## Research Using the Manitoba Population Health Research Data Repository

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

### Allergen Network of Centres of Excellence Inc.

HayGlass K, Kozyrskyj AL. \$100,000, 07/2005 – 06/2007. “The Relationship between Neonatal Toll Like Receptor Function and Familial Allergic Asthma.”

Hudson T, Kozyrskyj AL. \$600,000, 07/2005 – 06/2007. “Validation of Genetic Association in Asthma and Allergy.”

Kozyrskyj AL, HayGlass K, Becker AB, et al. \$65,000, 07/2005 – 06/2006. “Maternal Stress in Early Childhood and the Development of Asthma.”

Ungar W, Kozyrskyj AL, et al. \$100,000, 2005 – 2006. “Effect of Financial Barriers on Outcomes in Kids with Asthma.”

### Assembly of Manitoba Chiefs

O’Neill J. \$371,309, 11/1999 – 11/2006. “Manitoba First Nations Longitudinal Health Survey: Data Linkage Study.”

### Canadian Institutes of Health Research

Becker A, Kozyrskyj AL, et al. \$288,000/yr, 2004 – 2009. “Adolescent Females, Obesity and Asthma; An Anti-Inflammatory State.”

Becker A, Kozyrskyj AL, et al. \$250,000/yr, 04/2002 – 03/2007. “Origins of Asthma: The Role of Gene-Environment Interactions.”

Forget E, Roos NP, Hum D, Simpson W, Lobdell R, Grant H, Hikel R. \$181,341, 04/2005 – 04/2008. “The Town With No Poverty: The Long-term Consequences of a Canadian Guaranteed Annual Income Social Experiment.”

Grymonpre R, Metge C, Black C, Collins D, Dyck H. \$ 75,292, 01/2005 – 12/2006. “Prescription Medication Adherence Among Older Manitobans – Aging in Manitoba, 1996-2001.”

HayGlass K, Kozyrskyj AL, et al. \$300,000/yr, 06/2002 – 05/2008. “Allergy and Asthma: From Molecular Regulation to Population Health.”

Kozyrskyj AL, Becker AB, Ernst P. \$73,050/yr, 10/2002 – 09/2005. “Do Antibiotics in Early Life Contribute to the Development of Asthma in Children?”

Kristjanson C, Moffatt M, Robson R, Cardinal P, Kim J, Martens P, Toews I, Martin B, Ripstein L, Cooper J, Bowen S, Tittle A. \$195,430, 01/2006 – 06/2007. “The Utilization Of High Performance Patient Simulations To Reduce Medical Error.”

Leslie WD, Metge C, Weiler H, O’Neill J, Lix L, Greenberg C, Roos L, Doupe M, Salamon E, Yeun C, Tenenhouse A. \$759,724, 2004 – 2009. “First Nations Bone Health Study – Longitudinal Measurements and Outcomes.”

Manuel D, Berthelot J, Roos L, Mustard C, Booth G, Chooi B, Hux J, Stukel T, Jianhong W, Anderson, ICES. \$628,306, 2004 – 2009. “Population Health Impact Assessment Tools – For Obesity and Diabetes Melitus Type 2.”

Morgan S, Kozyrskyj AL, et al. \$162,473/yr, 01/2004 – 12/2006. “Cost, Equity and Access Under Income-Based Pharmacare.”

Noseworthy NT, Sanmartin C, Connor-Spady B, Sanmugasunderam S, De Coster C, Lorenzetti D. \$97,047, 2005/06. “Sight Restoration: Benchmark Waiting Times for Cataract Removal and Corneal Transplantation.”

Noseworthy NT, Sanmartin C, Connor-Spady B, Bohm E, Dunbar M, De Coster C, Lorenzetti D. \$99,047.00, 2005/06. “Towards Establishing Evidence-Based Benchmarks for Acceptable Waiting Times for Joint Replacement Surgery.”

O’Neil J, Roos N, Kaufert P, Murray R, Roos L, Tate R, Havens B, Bruce S. \$1,895,000, 2003 – 2009. “Centre for Aboriginal Health Research – ACADRE Training Program.”

O’Neil J. \$131,760, 04/2002 – 04/2005. “Manitoba First Nations Regional Longitudinal Health Study.”

Payne B, Hall M, Menec V, Guse L, Dyck H. \$240,545. 04/2005 – 03/2008. “Influenza Immunization, An Indicator of Self-Care: Researchers’ and Policy Makers’ Roles in Increasing Immunization Coverage Among Older Manitobans and Canadians.”

Payne B, Chipperfield J, Menec V, Tate R. \$97,572, 10/2005 – 09/2007. “The Epidemiology of Persistent Good Health in Older Adults.”

Pomey MA, Forest P, De Coster C, Sanmartin C. \$75,956, 2005 – 2006: “Organizational Determinants of Waiting Time Management for Health Services: A Policy Review and Syntheses.”

Polyzois D, Kozyrskyj AL, Polyzois E, Thompson K. \$100,000, 2005 – 2007. “Respiratory Health, Housing Conditions, and School Absenteeism Among Nine-Year Old Children in Winnipeg.”

### **Canadian Health Services Research Foundation**

Sheps S, O’Neill J, Roos L. \$400,000, 06/2001 – 07/2006. “Western Regional Training Centre in Health Services Research.”

### **Canadian Population Health Initiative**

Lalonde C, Chandler M, Kinew K, O’Neil J, Elias B, Martens P, Mignone J, Burchill C, Hart M, Keeper T, Sinclair S, Meawasige A. \$507,472, 01/2006 – 01/2009. “Moving beyond the BC Model’: Exploring the relations between Cultural Continuity and Suicide and Risk Behaviours with Manitoba First Nations.”

### **Pharmacia Canada**

Kozyrskyj AL, Collins D, Kvern B. \$368,825, 07/2001 – 06/2005. “Newly-Approved Provincial Formulary Drugs: A model to Assess Their Utilization.”

### **Social Sciences and Humanities Research Council of Canada (SSHRC)**

Payne B, Chipperfield J, Menec V, Tate R. \$148,882, 07/2005 - 06/2008. “A Study of Successful Aging in Manitoba.”

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## Special Awards/Honours

- Noralou Roos: Invested as a Member of the Order of Canada on September 9, 2005, by Governor General Adrienne Clarkson.
- Evelyn Shapiro: honoured with the establishment of the Canadian Association on Gerontology Evelyn Shapiro Mentoring Award. This award will recognize a CAG member that has mentored people in academia, health related organizations, governments and other related sectors over a long period of time. The first award will be made at the CAG Annual Scientific and Educational Meeting in 2006. Marcus Hollander of Hollander Analytical Services Ltd. established this award and has guaranteed funding for it over the next few years.
- Patricia Martens: Manitoba Science and Technology Recognition Award (achievement or contribution to sciences and technology in Manitoba for the year 2004) May 2005
- Patricia Martens: Nominee (nominated by the Deputy Minister of Health, the CEO's and *The Need To Know* Team members) for the CHSRF Research Achievement Award, April 2005
- MCHP has been designated an official partner organization by the Directors of the Robert Wood Johnson (RWJ) Health & Society Scholars Program. The major goal of the RWJ Program is to train a new generation of scholars in the field of population health with special emphasis on social determinants of disease. "We all recognize the superb and unique data available in MCHP and we want to ensure that our Fellows are aware of this very special resource," said Leonard Syme, of the UCLA Berkeley School of Public Health.

## PUBLICATIONS

### 2006

Beaumont J, Lix L, Yost K, Hahn E: Application of robust statistical methods for analysis of health-related quality of life outcomes. *Qual Life Res* 2006;15(3):349-356

Bodnarchuk JL, Eaton WO, Martens PJ. Transitions in Breastfeeding: Daily Parent Diaries Provide Evidence of Behavior Over Time. *J Hum Lact* 2006; 22(2):166-174.

Bowen S, Martens PJ: A model for collaborative evaluation of university-community partnerships. *J Epidemiol Comm Health* 2006; In press.

Brownell MD, 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*; In press.

Brownell MD, Guevremont A, Au W, Sirski M. The Manitoba Healthy Baby Prenatal Benefit Program: Who is participating? *Can J Public Health*; In press.

Burgmann T, Clara I, Graff L, Walker J, Lix L, Rawsthorne P et al: The Manitoba IBD cohort study: Prolonged symptoms before diagnosis – how much is IBS? *Clin Gastroenterol Hepatol*; In press.

Carrie A, Kozyrskyj A. Outpatient treatment of community-acquired pneumonia: Evolving trends and a focus on fluoroquinolones. *Can J Clin Pharmacol* 2006: e102-e111.

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

De Coster C, Quan H, , Finlayson A, Gao M, Halfon P, Humphries KH, Johansen H, Lix LM, Luthi JC, Ma J, Romano PS, Roos LL, Sundararajan V, Tu JV, Webster G, Ghali WA. Identifying priorities in methodological research using ICD-9-CM and ICD-10 administrative data: Report from an international consortium. *BMC Health Services Research* 2006, 6:77.

De Coster C, Luis A, Taylor M. Do administrative databases accurately measure waiting times for medical care? Evidence from general surgery. *Canadian Journal of Surgery* 2006; In press.

De Coster C, McMillan S, Brant R, McGurran J, Noseworthy T, and the Primary Care Panel of the Western Canada Waiting List Project. The Western Canada Waiting List project: Development of a priority referral score for hip and knee arthroplasty. *Journal of Evaluation in Clinical Practice* 2006; In press.

De Coster C, Frohlich N, Dik N: Estimating nursing home bed demand: 20-year projections from administrative data and stakeholder input. *Health Manage Forum* 2006;18(3):39-43

DeVerteuil G, Hinds A, Lix L, Walker J, Robinson R, Roos L: Mental health and the city: Intra-urban mobility among individuals with schizophrenia. *Health Place* 2006 Mar 29;[Epub ahead of print].

Dik N, Anthonisen N, Manfreda J, Roos L: Physician diagnosed asthma and allergic rhinitis in Manitoba: 1985-1998. *Ann Allergy Asthma Immunol* 2006;96(1):69-75.

Katz A, Soodeen R, Bogdanovic B, De Coster C, Chateau D: Can the quality of care in family practice be measured using administrative data? *HSR*; In press



Kozyrskyj A, Curtis L, Hertzman C: Taking different approaches to child policy. In: Heymann J, et al., (eds): *Healthier Societies: From Analysis to Action*. New York, NY: Oxford University Press; 2006. 348-380.

Kozyrskyj AL, Dahl ME, Ungar WJ, Becker AB, Law BJ. Antibiotic treatment of wheezing in children with asthma: What is the practice? *Pediatrics* 2006; In press.

Leslie W, Derksen S, Prior H, Lix L, 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*; In press.

Leslie W, Yogendran M, Ward L, Nour K, Metge C: Prognostic utility of sestamibi lung uptake does not require adjustment for stress-related variables: A retrospective cohort study. *BMC Nucl Med* 2006 Mar 29; [Epub ahead of print].

Lix L, Hinds A, DeVerteuil G, Robinson J, Walker J, Roos L: Residential mobility and severe mental illness: A population-based analysis. *Adm Policy Ment Health* 2006 Feb 18; [Epub ahead of print].

Martens P, Bowen S, Fransoo R, *The Need to Know* Team: KT in action: Manitoba's *The Need to Know* Team. In: *Evidence In Action, Acting On Evidence. A casebook of health services and policy research. Knowledge translation stories*. Ottawa, ON: CIHR Institute of Health Services and Policy Research; 2006. 79-83.

Menec V, Sirski M, Attawar D, Katz A: Continuity of care with a family physician is linked to reduced hospitalization among older adults. *JHSRP*; In press.

Oreopoulos P, Stabile M, Walld R, Roos L: Short, medium, and long term consequences of poor infant health: An analysis using siblings and twins. *National Bureau of Economic Research*, Working Paper No. 11998. January 2006.

Roos L: Untangling the web. *Healthcare Policy* 2006;1(3):42-46.

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

Roos N, Brownell M, Guevremont A, Fransoo R, Levin B, MacWilliam L, Roos L: A fair start: Does Canada's education system provide opportunity for all? *Can J Educ*; In press.

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- Roos L, Gupta S, Soodeen R, Jebamani L: Data quality in an information-rich environment: Canada as an example. *Can J Aging* 2005;24(Suppl)(1):S153-S170.
- Roos L, Roos N, Deber R: Odd that Sweden is darling of pundits. *Winnipeg Free Press*, December 19, 2005:B6.
- Roos N, Katz A, De Coster C: Private clinics aren't the solution (op-ed). *Winnipeg Free Press*, December 6, 2005.
- Roos N, Katz A, De Coster C: Profitable health care. Costly and dangerous. *Winnipeg Free Press*, December 8, 2005.
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## PRESENTATIONS

### 2006

Carleton B, Smith A, Kozyrskyj A, Brownell M, Zhang T. Paediatric drugs: Use of multi-jurisdictional prescription drug data (Presented at the Centre for Health Services and Policy Research, "Towards a National Pharmaceutical Strategy" Conference, Vancouver BC, February 2006)

De Coster C, About the Manitoba Centre for Health Policy. (Invited speaker to "Building a Safe Haven Conference and Workshop", Banff AB, March 15, 2006)

Lix LM. Defining and validating chronic disease: An administrative data approach (Canadian Public Health Agency, Arthritis Component of the Integrated Surveillance System, Toronto, ON, March 2006)

Martens P. Using the repository housed at the Manitoba Centre for Health Policy: Learning from the past, planning for the future. (Invited guest speaker: Statistics Canada/SSHRC Conference: Longitudinal Social Surveys in an International Perspective, Montreal QC, January 2006)

Martens P. Taking the driver's test on the road to KT: CIHR's *The Need To Know* Team in Manitoba. (Public Health Agency of Canada invited colloquium speaker for cross-Canada lecture, Ottawa ON, March 2006)

Martens P. MCHP: Who are we and what we do. (Invited breakfast speaker: The Carleton Club of Manitoba, Manitoba Legislative Building, Winnipeg MB, March 2006)

Raymond C, Morgan S, Caetano P, Kozyrskyj AL, Katz A. Statin prescribing in British Columbia. Towards a national pharmaceuticals strategy (Presented at the CHSPR Annual Meeting, Vancouver, BC, February, 2006).

Roos N. SES gradients in outcomes and resilience: Implications for program design (Presented to the Department of Community Health and Human Development, School of Public Health, University of California, Berkeley CA, February 2006)

Shapiro E. Issues in end of life care at home for older elders (Presented at the St. Boniface General Hospital Grand Rounds, Winnipeg MB, March 2006)

### 2005

Afifi T, Enns M, Cox B, Martens P. Investigating health correlates of adolescent depression in Canada (Presented at the Canadian Academy of Psychiatric Epidemiology (CAPE), Vancouver BC, November 2005)

Brownell M, Roos N, Fransoo R, Guevremont A. Invited Presentation: How do educational outcomes vary by socioeconomic status (Presented at the 2005 National Child Day Forum, Winnipeg MB, November 2005)

Brownell M, Roos N, Guevremont A, Derksen S, Fransoo R, MacWilliam L, Schippers C. Young motherhood as a contributor to health and social disparities in children (Presented at the Canadian Population-Health Association Conference, Ottawa ON, September 2005)

Brownell M, Yogendran M. Diagnosis and psychostimulant treatment of attention-deficit hyperactivity disorder in Manitoba children: Changes over time (Presented at the Society for Research in Child Development Conference, Atlanta GA, April 2005)

Bruce S. Patient safety report (Presented at the Manitoba Centre for Health Policy 12th Annual Rural and Northern Health Care Meeting, Winnipeg MB, October 2005)

Burchill C, De Coster C. Alphabet soup: ICD-10-CA/CCI; MADE/DAD; RIWs and more, MCHP Research Forum, December 21, 2005

Burland E, Martens P, Fransoo R, *The Need to Know* Team, Burchill C, Prior H. The social gradient in infertility treatment prevalence and sterilization procedures in Manitoba, 2002/03 - 2003/04 (Presented at the Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", Quebec City QC, October 2005)

Burland E, Martens P, Fransoo R, *The Need to Know* Team, Burchill C, Prior H, Ekuma O. Is access to mental health services dependent upon where people live--rural/urban, or higher/lower income neighbourhoods? (Presented at the Canadian Public Health Association Conference, Ottawa ON, September 2005)

Burland E, Martens P, Fransoo R, *The Need to Know* Team, Burchill C, Prior H. The social gradient in vasectomy/tubal ligation (sterilization) rates in Manitoba 2003/04. [Poster presentation] (Canadian Public Health Association Conference, Ottawa ON, September 2005)

Carleton B, Smith A, Kozyrskyj A, Brownell M. Paediatric medication use: effectiveness, safety, cost-management (Presented at the Michael Smith Foundation for Health Research, Child and Youth Health Research Network Workshop, Victoria BC, October 2005)

De Coster C. Validity of administrative data for assessing waiting times for surgery (Presented at the Canadian Association of Health Services and Policy Research, Montreal QC, September 2005)

De Coster C. Waiting Times deliverable update. MCHP Advisory Board. Winnipeg, MB. November 10, 2005.

Doupe M. PCH quality of care indicators report (Presented at the Manitoba Centre for Health Policy 12th Annual Rural and Northern Health Care Meeting, Winnipeg MB, October 2005)

Doupe M, Kvern B, Katz A, Metge C, Leslie WD, Morrison L, Nelson M, Manness LJ, Yuen CK. Primary care physician driven osteoporosis management: Testing a grass roots approach to improve the delivery of clinical care. (Presented at the Annual Meeting of the Canadian Association of Continuing Health Education (CACHE), Calgary, AB, September 2005).

Doupe M. Using administrative data to develop indicators for quality care in personal care homes (Presented at the Department of Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg MB, April 2005)

Finlayson G. How to slice the pie: A population-based/needs-based funding allocation methodology for Manitoba Regional Health Authorities. Responding to the Challenge: Optimizing Performance in Health Care Through Financial Intelligence. Paper presentation. Toronto, Canada: October 2005.

Finlayson G. Discussion of mortality of white Americans, African Americans, and Canadians (Kunitz, 2005) (Presented to Health Economics "Brown Bag," University of Illinois, Chicago IL, April 2005)

Fransoo R, Burchill C, Martens PJ, *The Need to Know* Team, Burland E. Rural/urban differences in interventions after heart attack (Presented at the Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", Quebec City QC, October 2005)

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Fransoo R. Building Knowledge Transfer for "Real World" effectiveness: Lessons from Manitoba's *The Need To Know* Team (Presented at The Canadian Health Services and Policy Research Conference, Montreal QC, September 2005)

Fransoo R. Sex/gender differences in health status, health care use, and quality of care (Presented at the Department of Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg MB, September 2005)

Fransoo R, Martens P. Looking at the Manitoba mental illness report from the perspective of women's mental health (Presented at the Kirby Commission Cross-Canada Consultations: A panel on women and mental health issues, Winnipeg MB, June 2005)

Fransoo R, Martens P, Burland E, *The Need to Know* Team, Ekuma O, Prior H, Burchill C. How often, and for what reasons, do people with mental illness use health care services? A population-based view. [Poster presentation] (Joint meeting of SER and the CSEB, "Epidemiology without Borders" Toronto ON, June 2005)

Guevremont A, Brownell M, Roos N. The relationship between retention in grade, teen motherhood and high school withdrawal (Presented at the Canadian Public Health Association Conference, Ottawa ON, September 2005)

Hinds A, Lix L, DeVerteuil G. Schizophrenia and the city: Intra-urban residential mobility of individuals with severe mental illness (Presented at the joint meeting of the "Society for Epidemiological Research" and the "Canadian Society of Epidemiology and Biostatistics", Toronto ON, June 2005)

Jutte D, Brownell M, Roos N, Boyce W, Syme S. Does SES moderate the association between Apgar scores and subsequent hospitalizations? (Presented at the Pediatric Academic Societies meeting, Washington DC, May 2005)

Katz A. Patient safety indicators. Workshop presented at Third Annual MCHP/WRHA Workshop, Winnipeg, MB, December, 2005

Katz A. Invited speaker: Winnipeg Regional Health Authority Primary Health Care Forum: Primary care indicators: Pointing the way of the future or make work project? Winnipeg MB, November 2005

Katz A. Invited speaker: Ethics, public policy and the pharmaceutical industry; a Public Forum presented by the Sheldon Chumir Foundation, Winnipeg MB, November 2005

Katz A. Invited speaker: The scholarship of Teaching and Learning Symposium, University Teaching Services, University of Manitoba. The Ethics of the Scholarship of teaching and Learning, Winnipeg MB, September 2005

Katz A. Invited speaker: International Urinary Tract Infection Symposium: Management of UTI's in primary care (Hosted by Department of Medical Microbiology, University of Manitoba, Winnipeg MB, June 2005)

Katz A. Invited lecture: Introducing new drugs into your practice. Therapeutics update, CME for family physicians, Winnipeg MB, May 2005

Katz A. Androgen monitoring study (Presented at the Annual Scientific Assembly of the Manitoba College of Family Physicians, Winnipeg, MB, May 2005)

Kozyrskyj AL. Invited speaker: Using health care administrative data to study the origins of childhood asthma (Division of Respiriology rounds, University of Toronto, Toronto, ON, December 7, 2005).

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Kozyrskyj AL. Session Chair: Gene-environment interactions in allergy and asthma (AllerGen First Annual Research Conference: "Innovation from Cell to Society", Toronto, ON, October 2005).

Maternal stress in early childhood and the development of asthma: A cohort study of health care database records (Presented at the AllerGen Research Workshop, Winnipeg, MB, September 2005).

Kozyrskyj AL. Study of asthma, genes and the environment (SAGE) Research design and epidemiologic studies (Presented at the Canadian Society of Allergy and Clinical Immunology annual meeting, Winnipeg, MB, September 2005).

Kozyrskyj A. A research platform for evaluating antibiotic utilization in a population and its impact on health (Presented at the Institute for Infection and Immunity New Investigator Forum 2005, Toronto ON, April 2005)

Liem JJ, Kozyrskyj AL, Becker AB. No gender differences for wheezing syndromes in premature children (Presented at the Am College Allergy, Asthma and Immunology Annual Meeting, Anaheim, CA, November, 2005).

Leslie W, Prior H, Derksen S, Metge C, O'Neil J, Roos L. Medical risk factors contribute to the high fracture risk in Canadian Aboriginal peoples (Presented at the American Society for Bone and Mineral Research 27th Annual Meeting, Nashville TN, September 2005)

Lix L. Population needs-based funding models (Chair and session organizer. Invited international session at the International Conference on Health Policy Research, Boston MA, October 2005)

Lix L. The analysis of multivariate repeated measures data with structured covariances (Presented at the annual meeting of the Statistical Society of Canada, Saskatoon SK, June 2005)

Lix L, Fouladi R. A robust step-down procedure for multi-dimensional health-related quality of life data (Presented at the joint meeting of the "Society for Epidemiological Research", and the "Canadian Society of Epidemiology and Biostatistics", Toronto ON, June 2005)

Lix LM, Fouladi R. Robust step-down tests for multivariate independent groups designs. (Presented at the annual meeting of the American Educational Research Association, Montreal, QC, April 2005)

Magoon J. The health of refugees in Winnipeg (Presented at the Department of Community Health Sciences Colloquium, Western Regional Training Centre for Health Services Research Student Presentations, University of Manitoba, Winnipeg MB, April 2005)

Mai XM, Kozyrskyj AL, McGrath P, MacNeil B, Becker AB, HayGlass KT. Early life exposure to maternal stress is associated with asthma in children (Presented at the AllerGen First Annual Research Conference: "Innovation from Cell to Society", Toronto, ON, October, 2005).

Martens P, Fransoo R. What's the data telling you? Using evidence-based stories for RHA planning and decision-making (Presented at the MCHP site visit to Burntwood RHA, Thompson MB, November 17, 2005; Churchill RHA, Churchill MB, November 16, 2005; Interlake RHA, Gimli MB, November 2005)

Martens P, Health Information and Research Committee, Assembly of Manitoba Chiefs, Jebamani L, Bond R, Burchill C, Derksen S. Diabetes, complications, and access to specialist care among Registered First Nations People of Manitoba: Population-based comparisons (Presented at the Sixth Conference of the Canadian Rural Health Research Society/Canadian Society for Circumpolar Health "Bridging the Distance", Quebec City QC, October 2005)

Martens P. The importance of health research in increasing productivity in Canada (Presented to the Federal Standing Committee on Finance – Pre-budget hearings, Winnipeg MB, October 2005)



Martens P. Taking the driver's test on the road to KT: CIHR's *The Need To Know* Team in Manitoba (Presented at the 2005 CCHSE Provincial Health Conference "Anatomy of Success: Heart & Soul", Winnipeg MB, October 2005)

Martens P. Coming full circle: What we've learned along the road about breastfeeding (Presented at "Honouring Traditions and Celebrating 10 Years of Success" - 5th Annual CPNP conference, Winnipeg MB, October 2005)

Martens P, *The Need to Know* Team. A Manitoba model of KT (Presented at "Knowledge Mobilization in the Human Sciences 2005", sponsored by the University of Calgary, Athabasca University and SSHRC, Banff AB, September/October 2005)

Martens PJ, Fransoo R, *The Need To Know* Team, Burland E, Prior H, Burchill C, Chateau D. Do northern and rural residents differ in the quality of physician care they receive, compared to urban residents? A Manitoba population-based study [Poster presentation] (Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", Quebec City QC, October 2005)

Martens P. What difference is the mental illness report making in Manitoba (and Canada )? (Presented at the Provincial Mental Health Management Network, Winnipeg MB, September 2005)

Martens P, Fransoo R, *The Need to Know* Team, Burland E, Burchill C, Prior H, Ekuma O. Patterns of the health care system by the elderly with mental illness (Presented at "Mapping the Future of Public Health: People, Places and Policies", Canadian Public Health Conference, Ottawa ON, September 2005)

Martens P. A mentor at the summer institute, plus giving a session on researcher/user research collaborations with rural and northern regions of Manitoba (Presented at the "CIHR Summer Institute on Rural Health Issues", Gros Morne National Park NFLD, June 2005)

Martens P. MCHP: Who are we and what we do (Presented at WRHA/MCHP Communications Day, Winnipeg MB, June 2005)

Martens P. North Eastman RHA: Painting a population-based picture on health status, mental health and health care use patterns (Presented at the North Eastman Health Association Annual General Meeting, Lac Du Bonnet, and Oakbank MB, June 2005)

Martens P. The state of First Nations health: What can population databases show us? (Presented at Special Chiefs Assembly on Diabetes, Assembly of Manitoba Chiefs, Winnipeg MB, June 2005)

Martens P. *The Need To Know* Team: Reshaping the culture of applied health research in Manitoba (Presented at "Reshaping Culture: Applying Research to Improve Health", SEARCH Conference, Edmonton AB, June 2005)

Martens P. Using *The Need To Know* Team as a modeling of KT: Lessons learned (Presented at the CIHR Summer Institute on Rural Health Issues, Gros Morne National Park, NFLD/LB, June 2005)

Martens P. 1) From Anecdote to Evidence: Working together for best practice 2) Coming full circle: Learning from a decade of research with Sagkeeng First Nation 3) Practicing a breastfeeding research mindset: The "how to's" of doing breastfeeding research (Presentations at the Art and Evidence in Breastfeeding Conference, Niagara-on-the-Lake ON, May 2005)

Martens P. Newborn hospital readmission: A population-based study (Presented at the Woman and Child Program Conference, "Road to Best Practice", Winnipeg MB, April 2005)

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Martens P. *The Need to Know* Team in Manitoba: How can this translate into other jurisdictions? (Presented at the University of Alberta, Faculty of Medicine, Edmonton AB, April 2005)

Martens P, Bowen S. What's new at MCHP and with *The Need to Know* Team? (Presented at the RHAM CEO Meeting, Winnipeg MB, April 2005)

Martens P, Fransoo R, Burland E, Bowen S. Using data for decision-making, and a workshop on various MCHP/*The Need To Know* Team reports (First Nations reports, Child Health report, RHA Indicators Atlas, Mental Illness report) (Presented at the Central Regional Health Authority Planning Day with Board of Directors, CEO, MOH and Regional Administrators, Portage La Prairie MB, April 2005)

Martens P, Fransoo R, Johnson K. Using data for decision-making, and a workshop on the Mental Illness report (Presented at the 1) Parkland Regional Health Authority Planning Day with Mental Health Services and Regional Health Authority Planners & Board of Directors, Dauphin MB, April 2005; 2) Brandon Regional Health Authority Planning Day with Mental Health Services and Regional Health Authority Planners & Board of Directors, Brandon MB, April 2005)

McMaster R, Kozyskyj A. Why do some use the emergency department more than others? (Presented at the Canadian Association of Emergency Physicians Scientific Conference, Edmonton AB, May 2005)

Metge C. Pharmaceutical sagas: Can we do something to improve our knowledge about the benefits and risks of pharmacotherapy? (Presented at the Department of Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg MB, December 2005)

Prior H, Fransoo R, Martens P, *The Need to Know* Team. Sex differences in outcomes of care in Manitoba: A population-based study. [Poster presentation] (Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", Quebec City QC, October 2005)

Prior H, Fransoo R, Martens P, *The Need to Know* Team. Hormone replacement therapy use in Manitoba: A population-based study [Poster presentation] (Canadian Public Health Association Conference, Ottawa ON, September 2005)

Prior H, Fransoo R, Martens P, *The Need to Know* Team. Sex differences in outcomes of care in Manitoba: A population-based study. (poster) (Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", Quebec City, QC, October 2005)

Roos L, Lix L, Roos N. The future of information-rich environments (Presented at the Department of Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg MB, September 2005)

Roos L, Lix LM. The future of information-rich environments Presented to Administrative Data in Health Research: An International Symposium, sponsored by the Canadian Institutes of Health Research, Calgary AB, June 2005)

Roos N, Hildahl W. Has the Supreme Court of Canada dealt a fatal blow to Medicare? (Presented at the Colloquium and Grand Rounds, Department of Family Medicine, University of Manitoba, Winnipeg MB, October 2005)

Shapiro E. Consultation for Canadian Forces Health Services on Home Care (Consultation for Marcus Hollander, Victoria BC, August 2005)

Shapiro E. Consultation for Department of Health of Nova Scotia on Nova Scotia continuing care in Nova Scotia (Consultation for Wayne Marsh and Beth Rajnovich, Halifax NS, September 2005)

Shooshtari S, Fransoo R, McPherson N, Fey D. Creating knowledge transfer capacity: The Manitoba view (Presented at the 6th International Conference on the Scientific Basis of Health Services, Montreal QC, September 2005)

Stannard KM, Prasad AN, Kozyrskyj AL. Epilepsy in Canadian children: A birth cohort study of health care utilization (Presented at the American Epilepsy Society Meeting, Washington, DC, December, 2005).

Ungar W, Kozyrskyj AL, Paterson M, Mamdani M, Gunraj N, Ahmad F. A comparison of asthma medication use in publicly versus privately insured children with asthma (Presented at the Canadian Association for Health Services and Policy Research Annual Meeting, Montreal, QC, September, 2005).

Ungar W, Ahmed F, Kozyrskyj AL, Paterson M, Mamdani M. Financial barriers to medication use in children with asthma: An analysis of private sector prescription medication claims (Presented at the Canadian Association for Health Services and Policy Research Annual Meeting, Montreal, QC, September, 2005).

Watson D. Supply, availability and use of family physicians in Winnipeg (Presented at the Association of American Medical Colleges, Physician Workforce Research Conference, "Expanding the Science, Enhancing the Impact," Washington DC, May 2005)

## **PUBLISHED ABSTRACTS**

### **2006**

Brownell M, Roos N, Guevremont A, Derksen S, Fransoo R, MacWilliam L, Schippers C. Young motherhood as a contributor to health and social disparities in children. (oral) Canadian Public Health Association conference, Ottawa, September 21, 2005.

Brownell M, Yogendran M. Diagnosis and psychostimulant treatment of Attention-Deficit Hyperactivity Disorder in Manitoba children: changes over time. (oral) Society for Research in Child Development Conference, April 7-10, 2005, Atlanta, GA.

Chooniedass R, McKillop A, Lilley-Chan T, Lilley M, Huq S, Liem JJ, Kozyrskyj AL, Becker AB. Control of asthma and written asthma action plans. *J Allergy Clin Immunol* 117:S78

Douville RN, Li Y, Basien N, Becker AB, Kozyrskyj AL, HayGlass KT. Asthmatic children display increased Th1 biased immunity to Human Metapneumovirus. *J Allergy Clin Immunol* 117:S104

Guevremont A, Brownell M, Roos N. The relationship between retention in grade, teen motherhood and high school withdrawal. (poster) Canadian Public Health Association conference, Ottawa, September 20, 2005.

Jutte D, Brownell M, Roos N, Boyce WT, Syme SL. (2005). Does SES moderate the association between Apgar scores and subsequent hospitalizations? (poster) Pediatric Academic Societies meeting, May 10, 2005, Washington DC.

Kozyrskyj AL, McGrath P, MacNeil B, Mai XM, Becker AV, HayGlass KT. Early life exposure to maternal stress is associated with asthma. *J Allergy Clin Immunol*. 117:S87

Carleton B, Smith A, Kozyrskyj AL, Brownell M, Zhang T. Paediatric drugs: use of multi-jurisdictional prescription drug data. Towards a National Pharmaceuticals Strategy - CHSPR Annual Meeting. Vancouver, February 2006

Liem JJ, Kozyrskyj AL, Becker AB. Maternal asthma and the risk of prematurity. *J Allergy Clin Immunol* 117:S86

Mai XM, Kozyrskyj AL, Sellers EAC, Liem JJ, Becker AB. The relationship of breastfeeding, overweight and asthma in schoolchildren. *J Allergy Clin Immunol*. 117:S84

Raymond C, Morgan S, Caetano P, Kozyrskyj AL, Katz A. Statin prescribing in British Columbia. Towards a National Pharmaceuticals Strategy - CHSPR Annual Meeting. Vancouver, February 2006

Su R, Becker AB, Kozyrskyj AL, HayGlass KT. Epigenetic maintenance of immunological responses in asthma. *J Allergy Clin Immunol* 117:S253

## 2005

Afifi TO, Enns MW, Cox BJ, Martens PJ. Investigating Health Correlates of Adolescent Depression in Canada. Canadian Academy of Psychiatric Epidemiology (CAPE), November 3, 2005. Vancouver, BC.

Burland E, PJ Martens, Fransoo R, *The Need To Know* Team, Burchill C, Prior H. The Social Gradient in Infertility Treatment Prevalence and Sterilization Procedures in Manitoba, 2002/03 - 2003/04. (oral) Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", October 27-29th, 2005. Quebec City, Quebec.

Burland E, Martens PJ, Fransoo F, *The Need To Know* Team, Burchill C, Prior H, Ekuma O. Is access to mental health services dependent upon where people live – rural/urban, or higher/lower income neighbourhoods? (oral) Canadian Public Health Association conference, September 19-22, 2005. Ottawa, Ontario.

Burland E, Martens PJ, Fransoo R, *The Need To Know* Team, Burchill C, Prior H. The Social Gradient in Vasectomy / Tubal Ligation (Sterilization) Rates in Manitoba, 2003/04 (poster). Canadian Public Health Association conference, September 19-22, 2005. Ottawa, Ontario.

Douville R, Li Y, Bastien N, Becker AB, Kozyrskyj AL, HayGlass KT. Memory cytokine responses to respiratory viruses in healthy and asthmatic children. *Allergy Asthma Clin Immunol* 2005;1: 103

Fransoo R, Martens PJ, *The Need To Know* Team, Burland E, Prior H, Burchill C. Rural / Urban Differences in Interventions after Heart Attack. (oral) Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", October 27-29th, 2005. Quebec City, Quebec.

Fransoo R, Martens PJ, *The Need To Know* Team. Building research capacity for 'real world' effectiveness. CAHSPR conference: "Canada's Health Priorities: Building & Maintaining Research Capacity." September 16-18th, 2005. Montreal, Quebec.

Fransoo R, Martens PJ, Burland E, *The Need To Know* Team, Ekuma O, Prior H, Burchill C. How often, and for what reasons, do people with mental illness use health care services? A population-based view. Conference Title: Epidemiology without Borders: SER-CSEB 2005 Joint Meeting. Toronto, Ontario: June 27-30, 2005.

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- Hebert S, Kozyrskyj AL, Becker AB, Wesley Burks A, HayGlass KT. Non-allergic children demonstrate TH2 responses to peanut. *Allergy Asthma Clin Immunol* 2005;1:106
- Kozyrskyj AL, Liem JJ, Becker AB. Asthma phenotype and early life exposure: Differences between First Nations and non First Nations children. *Allergy Asthma Clin Immunol* 2005; 1:108
- Kozyrskyj AL, Becker AB. Identifying childhood asthma from health care database records: Is it valid? *Allergy Asthma Clin Immunol* 2005; 1:108
- Kozyrskyj AL, Dahl ME, Soodeen RA, Lix LM. High cost users of pharmaceuticals: Who are they? *Can J Clin Pharmacol* 2005;12:e77
- Kozyrskyj AL, Becker AB. Early life exposure to antibiotics for non-respiratory infections is associated with asthma. *J Allergy Clin Immunol* 2005;115:S173.
- Kozyrskyj AL. A Research Platform for Evaluating Antibiotic Utilization in a Population and its Impact on Health, Institute for Infection and Immunity New Investigator Forum 2005, Toronto, April 2005
- Liem J, Kozyrskyj AL, Becker AB. The risk of developing food allergy in premature/low birthweight children. *J Allergy Clin Immunol* 2005;115:S242.
- Liem JJ, Kozyrskyj AL, Becker AB. Gender differences in wheezing of premature children. *Allergy Asthma Clin Immunol* 2005;1:109
- Liem JJ, Kozyrskyj AL, Becker AB. No gender differences for wheezing syndromes in premature children. Am College Allergy, Asthma and Immunology Annual Meeting. Anaheim, USA, November 2005
- Liem J, Kozyrskyj AL, Becker AB. Wheezing syndromes in premature children. Proceedings of the American Thoracic Society 2005;2:A700
- Lissitsyn Y, Silaghi A, Becker AB, Jones S, Kozyrskyj AL, HayGlass KT. Differential Toll-like receptor 4 (TLR4) and TLR2 responsiveness is revealed in allergic vs healthy children using threshold levels of TLR stimulation. *Allergy Asthma Clin Immunol* 2005;1:109
- Lix L, Fouladi R, Beaumont J: A robust step-down procedure for multi-dimensional health-related quality of life data. *Am J Epidemiol* 2005;161:S147
- Lix LM, Kozyrskyj AL, Dahl ME, Soodeen RA. Predictors of transition to high cost use of pharmaceuticals. *Can J Clin Pharmacol* 2005;12:e78
- Mai XM, Kozyrskyj AL, McGrath P, MacNeil B, Becker AB, HayGlass KT. Early life exposure to maternal stress is associated with asthma in children. AllerGen First Annual Research Conference: Innovation from Cell to Society. Toronto, Oct 2005
- Martens PJ, Health Information Research Committee (Assembly of Manitoba Chiefs), Jebamani L, Bond R, Burchill C, Derksen S. Diabetes, complications, and access to specialist care among Registered First Nations people of Manitoba: population-based comparisons. (oral) Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", October 27-29th, 2005. Quebec City, Quebec.
- Martens PJ, Fransoo R, The Need To Know Team, Burland E, Prior H, Burchill C, Chateau D. Do northern and rural residents differ in the quality of physician care they receive, compared to urban residents? A Manitoba population-based study. (poster) Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", October 27-29th, 2005. Quebec City, Quebec.

Martens PJ, Fransoo R, *The Need To Know* Team, Burland E, Burchill C, Prior H, Ekuma O. Patterns of use of the health care system by the elderly with mental illness. (oral) Canadian Public Health Association conference, September 19-22, 2005. Ottawa, Ontario.

McMaster R, Kozyrskyj AL. Why do some use the emergency department more than others? Canadian Association of Emergency Physicians Scientific Conference, Edmonton, May 2005

Prior H, Fransoo R, Martens PJ, *The Need to Know* Team. Sex Differences in Outcomes of Care in Manitoba: A Population-Based Study (poster). Sixth Conference of the Canadian Rural Health Research Society and the First Conference of the Canadian Society for Circumpolar Health: "Bridging the Distance", October 27-29th, 2005. Quebec City, Quebec.

Prior H, Fransoo R, Martens PJ, *The Need to Know* Team. Hormone Replacement Therapy Use in Manitoba: A Population-Based Study. Canadian Public Health Association conference, September 19-22, 2005. Ottawa, Ontario.

Raymond C, Kozyrskyj AL, Mignone J. Is there a relationship between socioeconomic status and use of medications. *Can J Clin Pharmacol* 2005;12:e83

Stannard KM, Prasad AN, Kozyrskyj AL. Epilepsy in Canadian children: A birth cohort study of health care utilization. American Epilepsy Society Meeting, Washington DC, December 2005 Association for Health Services and Policy Research

Su RC, Becker AB, Kozyrskyj AL, HayGlass KT. Histone deacetylation: Does it play a role in recall immunological responses in asthma/allergic disease? *Allergy Asthma Clin Immunol* 2005;1:115

Ungar W, Kozyrskyj AL, Paterson M, Mamdani M, Gunraj N, Ahmad F. A comparison of asthma medication use in publicly versus privately insured children with asthma. Canadian Association for Health Services and Policy Research Annual Meeting, Montreal, September 2005

Ungar W, Ahmad F, Kozyrskyj AL, Paterson M, Mamdani M. Financial barriers to medication use in children with asthma: An analysis of private sector prescription medication claims. Canadian Association for Health Services and Policy Research Annual Meeting, Montreal, September 2005

Ungar W, Kozyrskyj AL, Paterson M, Mamdani M, Gunraj N, Ahmad F. A comparison of asthma medication use in publicly versus privately insured children with asthma. *Value in Health* 2005;8: PAS3

Ungar W, Ahmad F, Kozyrskyj AL, Paterson M, Mamdani M. Financial barriers to medication use in children with asthma: An analysis of private sector prescription medication claims. *Value in Health* 2005;8: HP5

Ungar W, Gunraj N, Kozyrskyj AL, Paterson M, Mamdani M. A population-based study of asthma medication and health services use in Ontario children from social assistance families. *Can J Clin Pharmacol* 2005;12:e93

Ungar W, Kozyrskyj AL, Paterson M, Mamdani M, Gunraj N, Ahmad F. A comparison of asthma medication use in publicly versus privately insured Ontario children with asthma. *Can J Clin Pharmacol* Vol 2005;12:e41

Ungar W, Ahmad F, Kozyrskyj AL, Paterson M, Mamdani M. Financial barriers to medication use in children with asthma: an analysis of private sector medication claims. *Can J Clin Pharmacol* 2005;12:e46

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## COLLOQUIUMS IN THE DEPARTMENT OF COMMUNITY HEALTH SCIENCES

### 2006

*The resilience gradient implications for program design*, by Noralou Roos, Manitoba Centre for Health Policy, January 2006.

### 2005

*Pharmaceutical Sagas: Can we do Something to Improve our Knowledge about the Benefits and Risks of Pharmacotherapy?* by Colleen Metge, Manitoba Center for Health Policy, December 2005.

*Using Health Care Administrative Data to Study the Origins of Childhood Asthma*, by Anita Kozyrskyj, Manitoba Center for Health Policy, October 2005.

*Sex/Gender Differences in Health Status, Health Care Use, and Quality of Care*, by Randy Fransoo, Manitoba Center for Health Policy, September 2005.

*The Future of Information-Rich Environments*, by Les Roos, Lisa Lix, Noralou Roos, Manitoba Center for Health Policy, September 2005.

*High-Cost Users of Pharmaceuticals: Who Are They?*, by Anita Kozyrskyj, Manitoba Centre for Health Policy, May 2005.

*The Health of Refugees in Winnipeg: Field Placement with the Winnipeg Regional Health Authority*, by Jennifer Magoon, Manitoba Centre for Health Policy, April 2005.

*Using Administrative Data to Develop Indicators for Quality Care in Personal Care Homes*, by Malcolm Doupe, Manitoba Centre for Health Policy, April 2005.

## EDUCATION

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

Number	Title	Instructor
93.747	Managing Health Systems	Carolyn De Coster
93.740	Topics in Health Services Research	Anita Kozyrskyj
93.749	Empiric Perspectives on Social Organization and Health	Anita Kozyrskyj
93.757	Managing Health Systems	Anita Kozyrskyj
93.740	Topics in Health Services Research (Directed Readings)	Lisa Lix
93.755	Observational Epidemiology Design & Analysis of Longitudinal Data	Lisa Lix
97.722	The Ecology of Infectious Diseases (guest lecturer)	Patricia Martens
93.740	Topics in Health Services Research (Survey Research 101, MCHP)	Patricia Martens
93.731	Epidemiology of Health Care	Leslie Roos

### Courses/Lectures Taught in Other Departments

Faculty/Department	Course title	Instructor
Medicine	Health Policy - Applying the Concepts (HM061)	Marni Brownell
Medicine	Health Policy & Health Care Decisions (PH069); Health Policy – Applying the Concepts (PH036)	Carolyn De Coster
Pharmacy	Scientific Principles of Literature Evaluation	Anita Kozyrskyj
Medicine	Fundamentals of Allergy and Asthma	Anita Kozyrskyj
Medicine	Principles of Professional Practice (Multiple Specialty Rotations in CHS, Medicine and Pharmacy)	Anita Kozyrskyj
Medicine	Biostatistics Lectures & Tutorial (Med I & Med IV)	Patricia Martens
Nursing	Health Policy	Patricia Martens
Pharmacy	Pharmacy Administration, Introduction to Pharmacy, Pharmacy Skills Lab, Principles of Scientific Literature, Directed Studies	Colleen Metge

### Other Teaching Activities

Activity	Instructors	Contact hours
Lectures	Marni Brownell, Anita Kozyrskyj, Lisa Lix, Patricia Martens, Colleen Metge, Leslie Roos	365
Tutorials	Carolyn De Coster, Lisa Lix, Patricia Martens	16
Exam set-up and marking	Patricia Martens, Colleen Metge, Leslie Roos	9



## Graduate Student Supervision

Student Name	Degree Sought	Advisor	Committee Member	Faculty Name
Afifi, Tracy	PhD		Yes	Patricia Martens
Barclay-Goddard, R.	PhD		Yes	Lisa Lix
Bodnarchuk, Jennifer	PhD		Yes	Patricia Martens
Bozat, Songul	PhD	Yes		Anita Kozyrskyj
Burland, Elaine	PhD	Yes	Yes Yes	Patricia Martens Marni Brownell Malcolm Doupe
Caetano, Patricia	PhD	Yes		Colleen Metge
Clara, Ian	PhD		Yes	Lisa Lix
Cleary, Eilish	MSc	Yes		Patricia Martens Leslie Roos
Dyck, Myrna	MSc.		Yes	Patricia Martens
Fradette, K.	MSc		Yes	Lisa Lix
Franklin, Jonathon	PhD	Yes		Anita Kozyrskyj
Fransoo, Randy	PhD	Yes	Yes	Noralou Roos Patricia Martens
Hinds, Aynslie	MSc	Yes		Lisa Lix
Khan, Sazzadal	PhD	Yes		Anita Kozyrskyj
Kleysen, Rob	PhD		Yes	Norm Frohlich
Libich, William	MSc	Yes		Anita Kozyrskyj
Liem, Joel	Post-doctoral	Yes		Anita Kozyrskyj
Lwanga, Charlotte	MSc		Yes	Lisa Lix
Magoon, Jennifer	MSc		Yes Yes	Patricia Martens Leslie Roos
Mai, Xiaomei	Post-doctoral	Yes		Anita Kozyrskyj
McDonald, Kara	MSc	Yes	Yes	Anita Kozyrskyj Lisa Lix
McMaster, Romy	MSc	Yes	Yes	Anita Kozyrskyj Lisa Lix
Norrie, Ola	PhD		Yes	Colleen Metge
Pidlubny, Shannon	MSc	Yes		Anita Kozyrskyj
Prior, Heather	MSc		Yes	Lisa Lix
Quan, Hude	Post-doctoral		Yes	Leslie Roos
Raymond, Colette	MsC	Yes	Yes	Anita Kozyrskyj Alan Katz
Robinson, J. Renee	PhD	Yes		Leslie Roos
Rona, Hazel Ann	MSc	Yes		Malcolm Doupe
Ross, Susan	MA		Yes	Evelyn Shapiro
Shaw, Sourdet	MSc	Yes		Lisa Lix
Sirski, Monica	PhD		Yes	Lisa Lix
Smith, Dawn(U Ottawa)	PhD		Yes	Patricia Martens
Uhanova, Julia	PhD	Yes		Leslie Roos
Yallop, Lauren	MSc	Yes		Marni Brownell

## KNOWLEDGE TRANSFER

Each year, one of the six MCHP deliverables is not a report, but instead it encompasses all the activities surrounding research knowledge transfer. 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 transfer done over the past year.

## 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:

### **Assessing Surgical Waiting Times Using Administrative Data and Patient Registries**

Presentation to MCHP Advisory Board, November 2005

### **Defining & Validating Chronic Diseases: An Administrative Data Approach**

Presentation to the Public Health Agency of Canada (Toronto.), March 2006

Abstract for consideration for Statistics Canada Methodology Symposium (Ottawa) in October 2005.

Manitoba Health Senior Executive, June 2005

### **First Nations report:**

Special Chiefs Assembly on Diabetes (Assembly of Manitoba Chiefs). Winnipeg, MB (June 22, 2005).  
Topic: Martens PJ. The state of First Nations health: What can population databases show us?

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

Deputy Minister, November 2005

Manitoba Health Senior Executive, November 2005

MCHP Advisory Board Presentation, November 2005

MCHP Research Forum, November 2005

Health Senior Executives (HSE) - chaired by the Deputy Minister and including RHA CEOs and senior Manitoba Health people, November 2005.

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## Dynamic Physician Resource Projection Model

MCHP Researcher Forum, February 2006

### Mental Illness and Sex Differences reports

Site Visits throughout 2005/2006, relating to these deliverables, traveling all over Manitoba to all but one RHA

MCHP Site Visit to Burntwood RHA. Thompson, MB (November 17, 2005).

Topic: Martens PJ, Fransoo R. What's the data telling you? Using evidence-based stories for RHA planning and decision-making.

MCHP Site Visit to Churchill RHA. Churchill, MB (November 16, 2005).

Topic: Martens PJ, Fransoo R. What's the data telling you? Using evidence-based stories for RHA planning and decision-making.

MCHP Site Visit to Interlake RHA. Gimli, MB (November 14, 2005).

Topic: Martens PJ, Fransoo R. What's the data telling you? Using evidence-based stories for RHA planning and decision-making.

Nor-Man RHA Workshop Day. A Closer Look: Mental Illness in the Nor-Man Region. The Pas, MB (October 11, 2005). Topic: Martens PJ, Fransoo R. What's the data telling you? Using evidence-based stories for RHA planning and decision-making.

Provincial Mental Health Management Network. Winnipeg, MB (September 8, 2005). Topic: PJ Martens. What difference is the Mental Illness Report making in Manitoba (and Canada?).

Deputy Minister, September 2005

Manitoba Health, September 2005

MCHP 12th Annual Rural & Northern Healthcare Day. Winnipeg, MB (October 18, 2005).

### Mental Illness and RHA Indicators Atlas reports:

Evidence to Action Workshop, North Eastman Health Association Site Visit. Oakbank, Manitoba (June 23, 2005). Topic: Martens PJ. What's the data telling you? Using evidence-based stories for RHA planning and decision-making.

North Eastman Health Association Annual General Meeting. Lac du Bonnet (June 21, 2005) and Oakbank, Manitoba (June 23, 2005). Topic: Martens PJ. North Eastman RHA: Painting a population-based picture on health status, mental health and health care use patterns.

Assiniboine RHA Workshop Day Site Visit. Souris, Manitoba (June 15, 2005). Topic: Martens PJ. What's the data telling you? Using evidence-based stories for RHA planning and decision-making.

Parkland Regional Health Authority Planning Day with Mental Health Services and Regional Health Authority Planners & Board of Directors. Dauphin, MB (April 18, 2005).

Topic: Martens PJ, Fransoo R, Johnson K. Using data for decision-making, and a workshop on the Mental Illness report.

Brandon Regional Health Authority Planning Day with Mental Health Services and Regional Health Authority Planners & Board of Directors. Brandon, MB (April 15, 2005). Topic: Martens PJ, Fransoo R, Burchill C, Burland E, Johnson K. Using data for decision-making, and a workshop on the Mental Illness report.

Central Regional Health Authority Planning Day with Board of Directors, CEO, MOH and Regional Administrators. Portage La Prairie, MB (April 7-8th, 2005). Topic: Martens PJ, Fransoo R, Burland E, Bowen S. Using data for decision-making, and a workshop on various MCHP/*The Need To Know* Team reports (First Nations reports, Child Health report, RHA Indicators Atlas, Mental Illness report).

### **Patient Safety Issues: A System Wide Approach for Manitoba**

WRHA Patient Safety Quality Group, May 2005

WRHA Senior Management, June 2005

HSC Executive, June 2005

St. Boniface Hospital Executive, June 2005

Grace Hospital Executive, July 2005

WRHA Senior Management, June 2005

Brandon RHA, June 2005

Briefing to Deputy Minister and Manitoba Health Senior Executive, September 2005

WRHA, August 2005

Minister Sale, November 2005 and February 2006

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

WRHA Day, November 2005

Rural & Northern Healthcare Day, October 2005

MCHP Researcher Forum, February 2006

CHS Colloquium Series, March 2006

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

Rural & Northern Healthcare Day, October 2005

*The Need to Know* Team meeting, October 2005

*The Need to Know* Team meeting, January 2006

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

Knowledge translation efforts began long before these finished products, and interactions with provincial ministries and other organizations helped shape the reports and knowledge translation activities.

Several months prior to publication, we began presenting preliminary findings to stakeholders including ministers, deputy ministers and senior policy analysts in the Departments of Education, Family Services, Healthy Living, and Healthy Child Manitoba, as well as to policy makers within school divisions. Each presentation yielded valuable feedback, shaping subsequent presentations, making results more relevant and accessible to stakeholders. Numerous presentations were also made after report release.

The long-term impact of these knowledge translation activities is yet to be determined; short-term results include the Public Schools Finance Board considering our results with respect to the public schools funding formula, and the Social Planning Council of Winnipeg striking four sub-groups to develop responses to our results, including using the findings as the basis for a major project proposal submitted to the Social Development Council.

#### **Presentations, Workshops and Briefings:**

Several presentations to policy makers related to work done for the Child Health Atlas occurred. Some of these groups included:

- Parent-Child Coalition for Central RHA (Carman, MB), April 2005
- Louis Riel School Division administrators & consultants, April 2005
- Education Support Services staff (Psychologists, consultants, etc) from St. James Assiniboia School Division, May 2005
- Senior administrators, consultants, and all Kindergarten teachers in Winnipeg School Division, May 2005
- Sixth forum of the Manitoba Education Research Network, May 2005
- Kids Grow Ontario Working Meeting – invited to share experiences working with administrative data in Manitoba with group of Ontario researchers, policy makers and activists interested in child outcomes, May 2005
- A presentation on outcomes for children of teen mothers prepared for the Canadian Public Health Association conference was circulated within the Departments of Education, Citizenship & Youth and Family Services & Housing, and both ministries requested that they be able to use this information internally for planning and policy making.
- Our work with the income assistance data has involved numerous discussions with the Department of Family Services & Housing and has resulted in an analyst from Family Services and Housing working at MCHP one day a week to better understand the capabilities of the linked data in the Repository and also to help MCHP researchers better understand the data supplied by Family Services and Housing.

- A paper on the uptake of the Healthy Baby Prenatal Benefit was shared by the Healthy Child Manitoba Office with the Government of New Brunswick in their collaboration on prenatal benefit programs.
- Carleton B, Smith A, Kozyrskyj A, Brownell M, Zhang T. Paediatric Drugs: Use of Multi-jurisdictional Prescription Drug Data. Third Canadian Therapeutics Congress, Toronto ON, May 10-13, 2006.
- Carleton B, Smith A, Kozyrskyj A, Brownell M, Zhang T. Paediatric Drugs: Use of Multi-jurisdictional Prescription Drug Data. Centre for Health Services and Policy Research, Towards a National Pharmaceutical Strategy conference, Vancouver, BC, February 9-10, 2006.
- Brownell M, Roos N, Fransoo R, Guevremont A. How do educational outcomes vary by socioeconomic status. 2005 National Child Day Forum, Winnipeg MB, November 17-18, 2005. (invited presentation).
- Carleton B, Smith A, Brownell M, Kozyrskyj A. Paediatric medication use: effectiveness, safety, cost-management. Michael Smith Foundation for Health Research, Child and Youth Health Research Network Workshop, Victoria BC, October 13-14, 2005.
- Brownell M, Roos N, Guevremont A, Derksen S, Fransoo R, MacWilliam L, Schippers C. Young motherhood as a contributor to health and social disparities in children. Canadian Public Health Association conference, Ottawa, September 21, 2005.
- Guevremont A, Brownell M, Roos N. The relationship between retention in grade, teen motherhood and high school withdrawal. Canadian Public Health Association conference, Ottawa, September 20, 2005.

### Publications

Brownell MD, Guevremont A, Au W, Sirski M. The Manitoba Healthy Baby Prenatal Benefit Program: Who is participating? *Canadian Journal of Public Health*, In press.

Roos NP, Brownell M, Guevremont A, Fransoo R, Levin B, MacWilliam L, Roos L. A fair start: does our education system provide opportunity for all? *Canadian Journal of Education*, In press.

Brownell MD, Roos NP, Fransoo R, Guevremont A, Roos LL, Levin B, Yallop L. Social gradients in educational outcomes: What do we really know? The power of population-based data to reveal the "whole truth" in educational outcomes. *Choices*, In press..

Fransoo R, Ward T, Wilson E, Brownell M, Roos N. The whole truth: socioeconomic status and educational outcomes. *Education Canada*, 2005; 45: 6-10.

### RBC Foundation Child Health Research

Research on children's health continues at MCHP. The gift from the RBC Foundation has helped MCHP researchers establish ties with outstanding groups to ensure that MCHP takes full advantage of the unique data resources in the Repository. Recent collaborations with researchers in the United States and Australia have created new unique opportunities for work with data resources in our world-class Manitoba Population Health Research Data Repository. The following are some of the activities undertaken in the past year:

Dr. Irene Yen joined the Manitoba Centre for Health Policy as an RBC Financial Group Child Health Research Fellow in August, 2005. In collaboration with MCHP Senior Researchers Drs. Noralou Roos and Marni Brownell, Dr. Yen is researching children's health and educational outcomes by length of time on income assistance. Dr. Yen is an epidemiologist with particular research interests in neighbourhood environment, housing, and educational achievement. She is currently a Specialist Epidemiologist in the Department of Medicine, University of California, San Francisco (UCSF) and is an

affiliated faculty with the UC Berkeley/UCSF joint Robert Wood Johnson Health and Society Scholars program.

Dr. Doug Jutte joined the Manitoba Centre for Health Policy as an RBC Financial Group Child Health Clinical Research Fellow in April, 2004. He is working with Drs. Roos and Brownell on his study entitled "The Apgar Score as an Early Measure of Resilience". Activities on the Apgar project to date include a review of the Apgar-related scientific literature, an initial survey of population Apgar score distributions, and regression analyses and modeling for analysis.

Researcher and PhD student Randy Fransoo continues to work closely with project leaders Drs. Noralou Roos and Marni Brownell in the planning, analysis and interpretation of results using administrative education and health data related to children and youth. Fransoo has presented results of the Child Health Atlas research over 35 times (and counting), including at several national conferences – raising the profile of the work, and RBC's support. The RBC award helps support Fransoo's research on how children's health status in the pre-school years may affect their later progress and performance in school.

There were several RBC Visiting Fellows and Researchers this year. They included:

Dr. Stefania Maggi (CEEDS) visited MCHP in October 2005 and presented a noon colloquium for the department of Community Health Sciences entitled "Development and Prediction of Adolescent Smoking and Drinking" and led a two day workshop entitled "Introduction to the Analysis of Change with SAS Proj TRAJ".

Dr. Lisa Stroschein (Assistant Professor in the department of Sociology at the University of Alberta) visited MCHP in August 2005 and worked with MCHP researchers to help them understand the methods she is using and presented a lunch hour colloquium entitled "The mental health consequences of divorce: Do children and their mothers respond similarly?" Dr. Stroschein is undertaking an RBC sponsored project using Repository Data to enable MCHP researchers to understand how our unique time series data can be used for better understanding the impact of parental divorce on children.

Dr. Fiona Stanley visited in November 2005. Dr. Stanley is the founding Director of the Telethon Institute for Child Health Research established in Perth, Australia in 1990. Dr. Stanley was a keynote speaker at the Healthy Child Manitoba, Child Day Forum and, along with Noralou Roos and Marni Brownell, attended a plenary session with the Manitoba Healthy Child Committee of Cabinet. She also attended a dinner with the Manitoba Minister of Health, Tim Sale, and a meeting with the Manitoba Minister of Family Services and Housing, Christine Melnick.

### **Presentations, Workshops and Briefings:**

- Manitoba Association of School Superintendents conference (concurrent session; well received by 20 attendees; prompted subsequent presentations), November 2005
- Administrators, then Education Committee of Mountain View School Division (Dauphin), December 2005
- Administrators of Seven Oaks School Division, December 2005
- Manitoba Department of Education, Citizenship and Youth – presented findings from Education Summary report to departmental policy makers as well as the Dean of the Department of Education, University of Manitoba, January 2006
- Association of Manitoba Municipalities (with Dorothy Kaytor), February 2006
- Manitoba Department of Family Services and Housing – presented findings on health and educational outcomes for children in families receiving income assistance and children of teen mothers to several high-level policy makers, March 2006
- Red River College students in early childhood development program, March 2006

- City of Hamilton Social Development and Early Childhood Services, Hamilton-Wentworth District School Board and McMaster University – presented to members of the Best Start program to describe findings from the Child Health Atlas and discuss the power of using linked administrative data for population-based research on children, March 2006
- Brownell M, Kozyrskyj A, Roos N. A new public health strategy for children in care: Developing a Canadian/Australian collaboration. Telethon Institute for Child Health Research, Perth, Western Australia, March 2005
- Brownell M, Roos N, Guevremont A, Derksen S, Fransoo R, MacWilliam L, Schippers C. Young motherhood as a contributor to health and social disparities in children. Canadian Population-Health Association Conference, Ottawa ON, September 2005
- Brownell M, Roos N, Fransoo R, Guevremont A. How do educational outcomes vary by socioeconomic status? 2005 National Child Day Forum, Winnipeg MB, November 2005
- Fransoo R, Brownell M, Roos N. How do educational outcomes vary by socioeconomic status? Manitoba Council for Exceptional Children conference, February 2006
- Guevremont A, Brownell M, Roos N. The relationship between retention in grade, teen motherhood and high school withdrawal. Canadian Public Health Association Conference, Ottawa, September 2005
- Roos, N. SES gradients in outcomes and resilience: Implications for program design. Department of Community Health and Human Development, School of Public Health, University of California. Berkeley, California, February 2006.

### **CENTREPIECE NEWSLETTER**

Our newsletter, *CentrePiece* was published once during the 2005/2006 fiscal year. Issue No. 17, Winter 2006 This issue is available at <http://www.umanitoba.ca/centres/mchp/cp00indx.htm>

### **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.

#### **2006**

De Coster C. The false hope of private health care. Interview with Frances Russell, Winnipeg Free Press, March 22, 2006.

De Coster C. Waiting for health care in Canada: What we know and what we don't know. Interview with Patti Edgar, Winnipeg Free Press re CIHI report, March 7, 2006.

Martens PJ. The Conference Board of Canada Report on Healthy Provinces, Healthy Canadians: A provincial benchmarking report. Media contacts to discuss this report: CTV National News; CBC TV interview with Catherine Wilson; CBC Phone-In Show with Margaux Watt; Free Press interview (for Winnipeg Free Press and Brandon Sun) with Patti Edgar, February 1, 2006

Martens PJ. Rural-urban differences in the use of GPs/FPs and specialists—a comment on the CIHI Report, "Geographical Distribution of Physicians I Canada: Beyond how many and where," interview with Catherine Wilson, CBC TV, January 11, 2006



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Martens PJ. The mental health announcement of funding, and how it aligns with mental illness report from MCHP. Interview with Margaux Watt, CBC Radio, Up to Speed Afternoon Show, December 14, 2005.

Fransoo R, Martens P. Study examines health issues for men and women. Interview with Rob Nay, The Herald, January 11, 2006.

Martens P. Manitoba ranks last in health study: Rating improves for care of patients once they are in the medical system. Interview with Patti Edgar, Winnipeg Free Press, February 1, 2006.

Martens PJ. How the throne speech relates to health issues. Interview with James Trellar, Health Canada, April 4, 2006.

## **2005**

Brownell M. Socioeconomic influences on educational outcomes. Telephone interview with Peggy Berkowitz, University Affairs, Ottawa, ON, September 15, 2005.

De Coster C. Cataract surgery waiting times. Interview with Pippa Wysong, Euro Times and Medical Post, October 10, 2005.

De Coster C. Questions about effect of private clinics on waiting times. Interview with John Webb, CBC Behind the Headlines, May 13, 2005.

Fransoo, R. CIHI report on hospitalization rates in acute care hospitals. Interview with Brian Yasiu, CITY TV News, November 30, 2005.

Fransoo, R. No gender bias in health care, study shows: Women and men have similar health care experiences. Interview with Tessa Vanderhart. The Manitoban 16[93].

Fransoo, R. Sex differences in health status, health care use, and quality of care. Interview with Tessa Vanderhart, The Manitoban. November 30, 2005.

Fransoo, R. Sex differences in health status, health care use, and quality of care. Interview with Kacey Wilson, CJOB radio Today So Far show, November 24, 2005.

Fransoo, R. Sex differences in health status, health care use, and quality of care. Interview with Myron Love, Medical Post, November 25, 2005.

Fransoo, R. Sex differences in health status, health care use, and quality of care. Interview with Brian Yasiu, City News TV, November 24, 2005.

Fransoo, R. Sex differences in health status, health care use, and quality of care. Interview with Rob Nay, The Headliner, November 28, 2005.

## MEDIA RELEASES

### 2006

Sex Differences In Health And Health Care. Media release for report: *Sex Differences in Health Status, Health Care use, and Quality of Care: A Population-Based Analysis for Manitoba's Regional Health Authorities* November 24, 2005.

### 2005

The Lupina Foundation Gives \$625,000 to Manitoba Centre for Health Policy. Media release, June 13, 2005.

## RURAL & NORTHERN HEALTHCARE DAYS

MCHP hosts an annual Rural and Northern Healthcare Day, designed specifically to highlight MCHP research of relevance to the rural and northern Regional Health Authorities of Manitoba. The format for the day is workshop—oriented, whereby reports are highlighted and then further explored in facilitated roundtable discussions. The 12th annual Rural and Northern Healthcare Day held on October 18, 2005 set a new record for attendance—207 registrants.

The day began with introductions by Patricia Martens and "research into action" stories from *The Need to Know* Team members Nancy McPherson (Brandon RHA), Tannis Erickson (Interlake RHA) and Sue Crockett (Nor-Man RHA). These stories relate to what RHAs do with the research that comes out of MCHP when they take it back to their regions—how the "evidence is turned into action." The stories presented served as a model for the facilitated group sessions in the morning.

Nancy highlighted the cardiac care story in their region. Diseases of the circulatory system are the number one cause of death. To begin getting at what is behind the data, the age and sex adjusted rates for hospitalizations for AMI were examined. Brandon rates were higher than the provincial rates. Cardiac catheterization and other intervention rates were lower than the provincial average. When they took this data back to the ICU staff for further clarification, it was found that indeed the rates were reflecting practice—but why? A chart audit is planned to try and answer this question.

Patricia Martens' continual challenge to members of the Team to "find the golden nuggets" was rewarded with her being presented with the first Golden Nugget Award in recognition of her work in mining the golden nuggets—finding the stories in the data that speak to action plans for the future.

Quote from evaluation form feedback:

*"I enjoyed the day very much. You have such a gift for educating and making learning fun. You captured the attention of our board members and they told me it was one of the most informative sessions that they have ever attended."*

Randy Fransoo presented the key findings from the deliverable Sex Differences in Health Status, Health Care Use, and Quality of Care: A Population-Based Analysis for Manitoba's Regional Health Authorities. Each RHA group was facilitated by a Team member and assisted by an MCHP researcher or systems analyst. They explored and discussed graphs from the report which would be particularly applicable to their region, looking for the stories in the data. Their findings were then summarized at the end of the sessions and made available for participants to review.

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The afternoon began with presentations of preliminary findings on two upcoming deliverables: Application of Patient Safety Indicators in Manitoba: A First Look by Sharon Bruce, and Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes, by Malcolm Doupe.

The day ended with a panel discussion on "What is the meaning of Quality of Care and Patient Safety for rural and remote areas? What structural approaches can RHAs use?" Panelists were: Dean Sandham, the Dean of the Faculty of Medicine, University of Manitoba; Paul Thomas, Duff Roblin Professor of Government, University of Manitoba; and Roger Strasser, founding Dean, Northern Ontario School of Medicine.

## 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.

The Concept Dictionary, initially established in 1996, holds over 200 concepts describing how to calculate, validate, and/or define indicators and measures. These concepts are taken directly from MCHP projects and are important tools for research continuity.

With the implementation of a new international coding standard for diagnoses and procedures (ICD-10), many of the concepts will require revisiting.

The Lupina Foundation is a private, Canadian charitable foundation established in April 2000. The Foundation is committed to research and innovation related to health and society issues. They support educational charitable organizations that share their objectives to undertake public education, patient support services, and dissemination and publication of information about the delivery of healthcare.

Five ongoing challenges in knowledge management and dissemination have been identified since the project began on July 1, 2005. They are:

- ICD-10 Project: This project will review, document, and make publicly accessible state-of-the-art efforts for enabling health services research in the new ICD-10 coding environment. Workshops were held in November, conducted by CIHI and Manitoba Health at MCHP, to give an overview of ICD-10 with the associated coding standards.
- DPIN (pharmaceutical) Project: This project will develop and document key pharmaceutical coding infrastructure for use across Canada.
- Costing Project: This project will provide accessibility to the system-wide costing infrastructure to other researchers and develop the ICD-10 transition.
- Social Concepts Project: This will expand the Concept Dictionary to cover new areas of interest to researchers focusing on interdisciplinary studies of health and well-being.
- Standardization of Map Resources: This involves documenting, cleaning and creating a catalogue of existing mapping resources used at MCHP for describing and presenting geographic data.

To view the Concept Dictionary Lupina Project website go to  
<http://www.umanitoba.ca/centres/mchp/projects/lupina/index.shtml>

## THE NEED TO KNOW TEAM PROJECT

*The Need to Know* 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 goals of this project are:

- a) To create new knowledge directly relevant to the rural and northern RHAs.
- b) To develop useful models for health information infrastructure, training, and interaction that will increase and improve capacity for collaborative research.
- c) 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 completed their third project (released November 24, 2005)—*Sex Differences in Health Status, Health Care Use, Outcomes and Quality of Care: A Population-Based Study for Manitoba's Regional Health Authorities*. A fourth study is underway entitled *What Works? Evaluating Manitoba's Rural and Northern Regional Health Programs and Policies at the Population Level*.

Patricia Martens, *The Need to Know* Team, and MCHP were honoured nationally with the awarding of the CIHR Knowledge Translation Award in the Regional Category. The awards ceremony took place in Ottawa on November 22, 2005. Attendees from the Manitoba group included Patricia Martens (director of the Team), Louis Barre (Manitoba Health), Bev Cumming (Brandon RHA) representing the rural and northern regional health authority Team members, and Sarah Bowen, the evaluation researcher with the Team. With the presentation of this award, *The Need to Know* Team project was recognized as a textbook example of KT in action. "Their working together as a team builds capacity among both academics and planners and facilitates dissemination and application of research results in the real world of decision-making," said award presenter Rémi Quirion, Scientific Director of CIHR's Institute of Neurosciences, Mental Health and Addiction.

The meetings of the Team (May 30, 2005; October 17, 2005; January 30, 2006) 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 Sex Differences and What Works? deliverables
- Reports on site visits and evaluation
- *Evidence to Action*
- Patient Safety deliverable presentation
- Mapping Workshop 201
- *The Town without Poverty* Research Project
- KEN: Knowledge Exchange Network
- Epi Info Software
- SPSS Software
- Manitoba Health Data
- Discussions about Regional program Evaluations
- Knowledge Synthesis
- Health Evidence
- Rural Health Research in Nova Scotia
- Needs-Based Funding Methodology deliverable
- Facilitator Training Workshop

*From Evidence to Action*—Addressing Challenges to Knowledge Translation in Manitoba. This three-year CIHR-funded research project 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 develop, apply and collaboratively evaluate designed instruments and strategies that address barriers to the use of research in RHA planning and to produce user-friendly resources for use by all RHAs. The initial consultation phase has been completed. Preliminary review of the consultation results indicate a fair degree of similarity between regions with respect to the barriers they face in evidence-informed decision making. Initial discussions with the regions about the format of the assessment tool/strategy, indicate varying interest in self-assessment tools. Input will continue to be obtained from the RHAs as we get closer to the development of the assessment tool/strategy.

## Workshops

### 2006

Burchill C. Epi information software (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. 15, Winnipeg MB, January 2006)

Erickson T, Bowen S. "Evidence to Action update" preliminary results (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. 15, Winnipeg MB, January 2006)

Martens P, Fransoo R. Planning for "What works" 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. 15, Winnipeg MB, January 2006)

### 2005

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. 14, Winnipeg MB, October 2005).

Bowen S. Evidence to action (Part I and Part II) (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. 13, Winnipeg MB, May 2005)

Burchill C, MacGregor J. Mapping workshop 201. (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. 13, Winnipeg MB, May 2005)

Doupe M. PCH quality indicators 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. 13, Winnipeg MB, May 2005)

Finlayson G. Needs -based funding methodology deliverable (Presented at "*The Need to Know: Collaborative research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and the Manitoba Health*" Team Workshop No. 14, Winnipeg MB, October 2005).

Fransoo R. Sex differences 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. 13, May 2005)

Magoon J. Overview of thesis: Developing rural health indicators of farm pesticides and farm economics (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.13, Winnipeg MB, May 2005)

Martens PJ. What works? Evaluating Manitoba's rural and northern regional health programs and policies at the population level (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. 14, Winnipeg MB, October 2005).

Martens P. What works. (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.13, Winnipeg MB, May 2005)

## **TRAINING, WORKSHOPS AND TUTORIALS**

Burchill C. Epi information software (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. 15, Winnipeg MB, January 2006)

Burchill C, Derksen S, Prior H. SAS introductory workshops. (Presented to Epidemiology of Health Care students, CHS graduate students and other University students. Three sections of five half-day sessions. Winnipeg MB, October 6 to November 4, 2006)

Burchill C, MacGregor J. Mapping workshop 201. (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. 13, Winnipeg MB, May 2005)

### **Harmonizing Privacy Workshop**

The Manitoba Centre for Health Policy hosted a workshop January 16 to 17, 2006 titled "Harmonizing Research & Privacy: Standards for a Collaborative Future. Creating Consensus for a Privacy Voluntary Standard for HSPR (Phase III)." Paulette Collins and Pam Slaughter (ICES) organized this workshop funded by CIHR (\$181,205). There were 55 registrants at the two-day meeting. An overview of the previous two workshops was held the first day followed by facilitated discussions. The objective was to develop a draft voluntary privacy standard for health services policy research that could be used across Canada by HSPR agencies. The report and finalized tool kit will be available this summer.

### **ICD-10-CA Training**

MCHP hosted training sessions November 22, 23, and 24, 2005, on using ICD-10-CA and CCI (new diagnosis coding and procedure coding from CIHI), and use of the DAD (Discharge Abstract Database) and the MADE (Manitoba Abstract Data Elements).

- Linda Tournay-Lewis gave an overview of ICD-10-CA and CCI along with the associated coding standards. A total of 20 people attended the workshops (6 from outside MCHP, 4 researchers/coordinators from MCHP and 10 data analysts from MCHP).
- Diane Wiebe from CIHI (Winnipeg) and Eileen Oleski from Manitoba Health provided an overview of the CIHI data abstract database elements and background on the Manitoba-specific database and elements. A total of 22 people attended this workshop (6 from outside MCHP, 4 researchers/coordinators from MCHP and 12 data analysts from MCHP).
- Diane Wiebe did an overview of CMG, DPG, RIW and complexity overlay along with the appropriate ways to use the information. There were 18 people at this workshop (2 from Manitoba Health, 5 from outside MCHP, 11 data analysts from MCHP).

## VISITORS

In February 2006 as part of ongoing child health research initiatives, Drs. Noralou Roos, Leslie Roos, Marni Brownell, Irene Yen and Doug Jutte gathered for collaborative meetings in San Francisco and Nicosia, California. Further research meetings and presentations also took place with Dr. Len Syme and Dr. Tom Boyce of the Department of Community Health and Human Development, School of Public Health, University of California, Berkeley. Their research project is focused on rethinking what's important regarding children's health and wellbeing and SES gradients in outcomes and resilience.

Dr. Nancy Meagher, Executive Director of UBC's Population Health and Learning Observatory visited MCHP on January 18, 2006 and gave a presentation titled UBC's Population Health and Learning Observatory: Plans and Progress.

Dr. Paul Waraich, Assistant Professor, Department of Psychiatry, UBC, presented on June 15, 2005 to MCHP researchers on the initial findings of the project Continuous Enhancement of Quality Measurement in Primary Mental Health Care. This project is aimed at fostering quality improvement in primary mental healthcare through quality measurement. A national group of clinicians, decision makers, people who use mental healthcare services, and academics will discuss and agree upon a small set of measures that can be used at the practice level across the country to foster coordinated and comprehensive quality improvement efforts.

Dr. Jin Ma, Visiting Speaker from the former Shanghai Medical University, on June 29, 2005, presented his research Health Services Research in Shanghai.

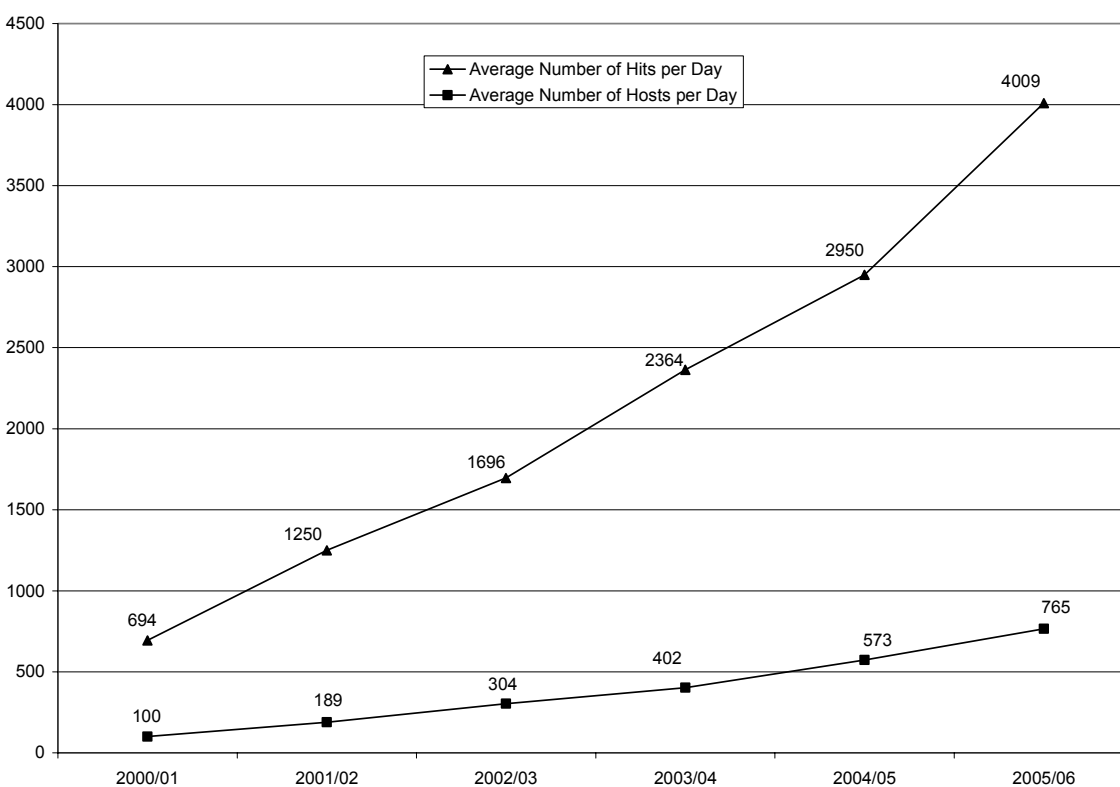
Simon Fraser University visitors Dr. Michael Hayes, Darrin Grund and Irene Rodway initiated an all-day meeting with MCHP regarding how the Centre databases are housed and administered. They are looking at building a centre at SFU that will have researchers and clinicians sharing space. They brought their two architects and spent part of the day touring Bannatyne Campus.

On August 16th RBC Visiting Scholar Dr. Lisa Strohschein, Assistant Professor, Department of Sociology, University of Alberta, presented on the *Mental Health Consequences of Divorce-Do children and their mothers respond similarly?*

## 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, 2006 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 765 in 2005/2006. The actual number of hits/hosts in each month is available here:

[http://www.umanitoba.ca/centres/mchp/access\\_record](http://www.umanitoba.ca/centres/mchp/access_record).



## Report Downloads

In 2005/2006 MCHP began monitoring downloads of reports in pdf format from the Reports page. There were 49,525 successful requests and 11,810 distinct hosts served. The table below represents the “Top 10” downloaded reports for 2005/2006.

Report	Requests
High-Cost Users of Pharmaceuticals (2005)	1,264
Indicators of Quality in Family Practice (2004)	1,025
Comparative Indicators of Population Health and Health Care Use for Manitoba's Regional Health Authorities: A POPULIS Project (1999)	856
The Manitoba RHA Atlas (2003)	765
Family Physicians in Winnipeg (2003)	725
Child Health Atlas (2004)	706
Mental Illness in Manitoba (2004)	658
Pharmaceutical Pricing Policies (2003)	643
Pharmaceuticals Appropriate Utilization (2003)	623
Key Events and Dates (2003)	618

## 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/](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** 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.

## WRHA DAY

The third annual MCHP/Winnipeg Regional Health Authority (WRHA) Workshop was held on Tuesday, December 6, 2005. This collaborative workshop between decision-makers and researchers was titled: Strengthening the Translation of Evidence into Programs/Policies (STEPs).

This workshop was jointly sponsored by MCHP, WRHA and the CIHR's Institute of Health Services and Policy Research. The workshop coordinator and MCHP researcher Malcolm Doupe, was one of five successful applicants to receive CIHR funding. There were a total of thirty that applied nationally.

In total there were 137 registrants for the day. The day began with opening remarks from Michael Moffat, WRHA's Executive Director of Research & Quality. He stressed the importance of interaction and collaboration between decision-makers and researchers. "Increasing the use of MCHP's world-class research combined with the 'first hand' knowledge of decision-makers on how systems work and why things are done the way they are, will further enable the use of research data in policy decisions."

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Concurrent sessions were held throughout the day, linking WRHA decision-makers with published and ongoing research projects at MCHP, including the Mental Illness report and the Personal Care Home Quality Indicators report. At the end of the day, each group spokesperson summed up their discussions with summary action statements.

The day resulted in a wonderful opportunity to continue and strengthen our ongoing collaborative working relationship between MCHP and WRHA.

## 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:*

**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, Energy, Science and Technology, 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

**Jim Goho**, Director, Research and Planning, Red River College of Applied Arts, Science and Technology

**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**, Director of the 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

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**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

## **FACULTY AND STAFF**

### ***Directors***

Patricia Martens, Director, Associate Professor, Senior Researcher

Carolyn De Coster, Associate Director, Assistant 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 (on sabbatical)

Alan Katz, Researcher

Anita Kozyrskyj, Researcher

Lisa Lix, Senior Researcher

Colleen Metge, Researcher

Leslie Roos, Director, 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 Stargardt, Research Coordinator

### ***RBC Foundation Research Fellows***

Anne Guèvremont, RBC Foundation Research Fellow

Doug Jutte, RBC Foundation Clinical Research Fellow

Christine Schippers, RBC Foundation 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 Fotti, IT Support

Matthew Dahl, Data Analyst

Shelley Derksen, Data Analyst

Natalia Dik, Data Analyst

Oke Ekuma, Data Analyst

Humaira Khair, Data Analyst

Leonard MacWilliam, Data Analyst

Rod McRae, IT Coordinator

J Patrick Nicol, Data Acquisition Consultant

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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  
Debbie Molina, Finance Officer  
Carole Ouelette, Executive Assistant and Office Manager

***Finance and Research Support***

Kristin Backhouse, Research Support  
Jo-Anne Baribeau, Research Support  
Theresa Daniuk, Research Support  
Darlene Harder, Research Support  
Janine Harasymchuk, Communications Officer & Research Support  
Linda Henderson, Finance Support  
Phyllis Jivan, Research Support  
Linda Kostiuk, Finance Support  
Carola Lange, Finance Support  
Shannon Lussier, Research Support

***Student Research Assistants***

***Continuing***

Jennifer Bodnarchuk, Elaine Burland, Jeremy Dacombe, Stephanie Harvard, Aynslie Hinds, Sam Kovnats, Jill MacGregor, Jennifer Magoon, Kit MacLeod, Stephanie Smith, Nadine Tonn, Paul Willetts, Lauren Yallop

## 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. Associates are involved in 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, FRCP**, 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



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**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*, Senior Information Consultant, Health Information Management, Manitoba Health

**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

## 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.

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

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

**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**, Health Analysis & Modeling Group, Statistics Canada

**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

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**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

**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

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**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

## 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.
- Working group member, *The Need to Know* Mental Illness 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/MCHP
- Peer Review Committee Member, The Canadian Initiative on Social Statics (CISS) Research Data Centres (Social Sciences and Humanities Research Council of Canada)
- Member, Minimum Data Set Analyses Working Group, Winnipeg Regional Health Authority (MCHP Representative)

### *Greg Finlayson*

- Director, Carolyn Sifton Foundation Inc.
- Coordinator for bi-weekly research forums, MCHP
- Member University of Illinois at Chicago, School of Public Health, Accreditation Survey Committee
- Review Panel Member, Health Policy Research Program, Health Canada
- Student Senator, University of Illinois at Chicago
- Member, University of Illinois at Chicago, Committee on Research
- Member, University of Illinois at Chicago, Committee on Academic Services
- Member, University of Illinois at Chicago, School of Public Health Executive Committee
- Member, University of Illinois at Chicago, School of Public Health Dean Re-appointment Committee
- Member, Referral Committee, University of Illinois at Chicago Senate Committee on Student Discipline

### *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, National Cancer Institute of Canada, Scientific Review Panel L (Health Promotion, Health Services and Knowledge Exchange)
- 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, CIHR

*Anita Kozyrskyj*

- Consultant, Pharmacare Benefits Review, Office of the Auditor General Manitoba
- Chair, Curriculum Committee, Faculty of Pharmacy, University of Manitoba
- Member, Endowment Committee, Faculty of Pharmacy, University of Manitoba
- Member, CIHR Allied Health Professionals Awards Committee
- Member, Scientific Review Committee, Manitoba Health Research Council
- Consultant, Federal Non-Insured Health Benefits, Office of the Auditor General of Canada
- Member, Executive Committee, Community Health Sciences, University of Manitoba
- Member, Scientific Review Committee, Health Sciences Centre Foundation
- Member, Graduate Committee, Community Health Sciences, University of Manitoba
- Member, Canadian Association for Population Therapeutics
- Member, Canadian Pharmacists Association
- Member, Manitoba Pharmaceutical Association

*Lisa Lix*

- Member, Executive Council, Department of Community Health Sciences
- Member, Graduate Committee, Department of Community Health Sciences
- Member, Search Committee, Department of Sociology
- Co-organizer, University of Manitoba Statistics Research Workshop
- Member, Health Sciences Centre Foundation, Grants Review Committee
- Member, Manitoba Health Information Privacy Committee
- 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: 12th Annual MCHP Rural and Northern Healthcare Day, Winnipeg, MB, October, 2005
- 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 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

- Member, Canadian Rural Health Research Society
- Member, ILCA, International Lactation Consultants' Association
- Member, CLCA, Canadian Lactation Consultants' Association

*Colleen Metge*

- Member, American Association of Colleges of Pharmacy
- Member, Association of Faculties of Pharmacy in Canada
- Member, Canadian Association of Population Therapeutics
- Member, Canadian Pharmaceutical Association
- Member, International Society for Pharmacoepidemiology
- Member, International Society for Pharmaceutical Outcomes Research
- 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."

*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



## FINANCIALS

In addition to the \$1.85 million in funding received from Manitoba Health as described below, MCHP researchers continued to be successful in receiving career awards and research grants in peer-reviewed competitions. MCHP operating funds from these other sources for 2005/06 totalled approximately \$1.84 million.

### Manitoba Centre for Health Policy Yearly Budget – April 1, 2005 to March 31, 2006

#### Salaries

Staff	1,182,920.50
Staff Benefits	168,541.20
Payroll Levy	25,885.91
External Contracts	104,109.10

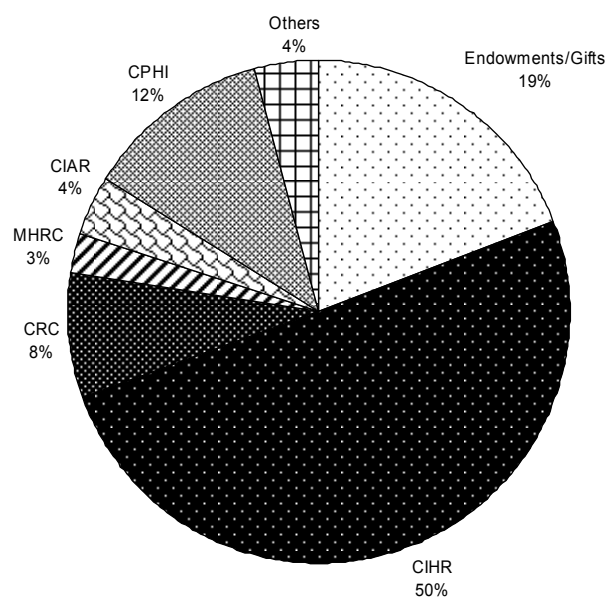
**Salaries Subtotal** **\$1,481,456.71**

#### Other Expenditures

General Office Expenses	164,139.00
Equipment	
Purchases	149,082.44
Maintenance	9,385.65
Travel	45,936.20

**Other Expenditures Subtotal** **\$368,543.29**

**TOTAL EXPENDITURES** **\$1,850,000.00**



#### Endowments/Gifts:

Energy, Science & Technology Endowed Chair in Child Health  
 The Lupina Foundation  
 MB Health/Energy, Science & Technology-ICD conversion  
 RBC Foundation (children's health)  
 HSC Collaborative Research