

MANITOBA CENTRE FOR HEALTH POLICY

Annual Report
2004/2005

March 31, 2005

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

Prepared by
Janine Harasymchuk

TABLE OF CONTENTS

MISSION STATEMENT	i
ACTING DIRECTOR’S LETTER.....	1
DELIVERABLES.....	2
RESEARCH	7
PUBLICATIONS.....	11
PRESENTATIONS AND ABSTRACTS	17
EDUCATION.....	26
KNOWLEDGE TRANSFER.....	28
ADVISORY BOARD MEMBERS	44
FACULTY AND STAFF	46
ASSOCIATES	48
COMMITTEES	50
FINANCIALS.....	53



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.

ACTING DIRECTOR'S LETTER



The year 2004/2005 marks my first year as Acting Director of the Manitoba Centre for Health Policy. On June 1st 2004, Noralou Roos stepped down as Director and began her sabbatical. The year has been both challenging in its busyness and rewarding in terms of accomplishments.

Of course, Noralou continues to excel in her research and "outreach" to international research groups. She was awarded a CIHR International Opportunity Grant titled *A New Public Strategy for Children in Care: Developing a Canadian/Australian Collaboration*. Noralou's pioneering role in the use of administrative data to identify health care patterns and trends in Manitoba over the past three decades were recognized with her appointment to the Order of Canada in August 2004.

There have been many accomplishments and recognitions for MCHP over the year. We congratulate two MCHP staff who completed graduate degrees. Malcolm Doupe an MCHP researcher, received his PhD for research on predicting use of home care and personal care homes by community-dwelling older adults. Jennifer Bodnarchuk, who worked as a research assistant and research coordinator at MCHP since 1999, received her PhD for research on breastfeeding and cognitive development in children under two years of age. MCHP's first staff retirement happened this year, with long-time programmer Carmen Steinbach retiring in June 2004.

Many of our researchers have been successful in national granting competitions over the past year. Those successful in receiving funding from CIHR include: Marni Brownell for the study entitled *Unpacking the Gradient, Digging Deeper: Exploring the Relationship between Health and Socioeconomic Status in Children*, Noralou Roos for the study entitled *A New Public Strategy for Children in Care: Developing a Canadian/Australian Collaboration*, and Les Roos for the study entitled *Exploring Alternative Funding Models for Canadian Health Care*. I was thrilled to receive the University of Manitoba's Winnipeg Rh Institute Foundation Award in recognition of outstanding research accomplishments in the area of Health Sciences. Sarah Bowen and I, along with Les Roos and Mike Moffatt, also received funding from CIHR's Knowledge Translation program to conduct a study entitled *From Evidence to Action: Addressing Challenges to Knowledge Translation in Regional Health Authorities*.

MCHP reports continue to receive incredibly high profile attention, both within Manitoba and across the country—notably the "High-Cost Users of Pharmaceuticals" report (Kozyrskyj et al) which explored the use of pharmaceuticals by high-users in the province, the "Child Health Atlas" report (Brownell et al) and website which details the impact of socioeconomic status on children's

health and well-being, the "Mental Illness" report (Martens et al) looking at patterns of mental illness and health services resources used for this in Manitoba.

I enjoyed working with *The Need To Know* Team regional planners on the Mental Illness report (released September 2004), and we were thrilled with the interest that this generated across Canada—including an invitation to consult with Senator Michael Kirby's committee studying the issues of mental illness.

The continued support of the RBC Financial Group for child health research allowed numerous collaborative consultations, including: Jodie Levin-Epstein from CLASP (Centre for Law and Social Policy, Washington, DC) presented a colloquium on "Women, Well-Being and Welfare—U.S. Policy and Research." The second RBC Financial Group Clinical Research Fellow, Christine Schippers, began working at MCHP in September 2004.

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.
- Former Health Minister Dave Chomiak and former Deputy Minister of Health Milton Sussman. We value their continued involvement with MCHP in their new portfolios.
- 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 Barré, 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.
- All the MCHP staff whose hard work and conscientious commitment is critical to the success of MCHP's activities.

Patricia J. Martens, PhD
Acting 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

Patterns of Regional Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study

Released September 2004, this deliverable describes the use of mental health services by residents of rural and northern Manitoba RHAs. This topic was identified as a high priority by the rural and northern RHAs, and by the Deputy Minister and Assistant Deputy Ministers at Manitoba Health. Rates of various mental illness diagnoses are compared between regions, as well as use of health care services by persons with mental illness diagnosis. Comparisons between RHAs were performed whenever possible, as well as analyses by gender, age categories and income level. This deliverable is the second of three committed to by Manitoba Health in support of the CIHR-funded *The Need to Know* Team project.

Primary Prevention: An Examination of Data Capabilities in Manitoba

Released February 2005, this deliverable explores the population-based data available in Manitoba to monitor primary prevention. Data sources used were administrative health data, survey data from the Canadian Community Health Survey (CCHS), and the Provincial Public Health Statistic System (PPHSS). A framework was created to help categorize primary prevention indicators. The data sources are adequate for monitoring primary prevention in a number of key areas, like immunizations and chronic disease prevalence, but are lacking in other areas, such as healthy environments and disparities in the social determinants of health.

High-Cost Users of Pharmaceuticals: Who Are They?

Released March 2005, this deliverable focused on determining who makes up the high-cost user of pharmaceuticals in the Manitoba population and whether cost-savings are possible or whether other interventions are needed. The study found that 41% of drug costs were generated by 5% of the population and that those in the high-cost user group were sicker than the average Manitoban. This study yielded some ideas about opportunities for intervention. It found “markers” that predicted becoming a high-cost user—receiving home care for the first time or having a long hospital stay in the year prior to being a high-cost user.

Deliverables in Progress

Patient Safety Issues: A Systems-Wide Approach for Manitoba

This project will frame quality of care, not as a medical error issue but as an issue of patient safety. Indicators of patient safety will be estimated for the province, as well as across hospitals and regions. Indicators of compromised patient safety will be developed 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 are: death in low-mortality surgical admissions, death in low-mortality medical admissions, post-operative wound dehiscence, and obstetrical trauma.

Sex Differences in Health Status, Health Care Use, Outcomes and Quality of Care: A Population-Based Study for Manitoba's Regional Health Authorities

This report will reveal how males and females in Manitoba compare on a variety of key health indicators. Descriptive results will be 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 will also feature

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.

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 practice, not the individual patient. In other words, what is the overall pattern of care delivered to people by a particular group of general practitioners/family practitioners? Do the demonstration sites for primary care reform initiatives exhibit similar or different profiles than do the other non-demonstration site practices? Proposed indicators include the types of patients served, the volume of care delivered, continuity of care, and patterns of medication prescribing and diagnostic tests.

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 health care 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, many important issues around the quality of care for Manitobans using these homes have been raised. 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.

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

This project will consider alternative approaches to funding that might reasonably be expected to meet the overall health care 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 health care 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 gender, 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 health care 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. A richer understanding of the issue of waiting times could be gained by examining data from existing registries—such as cardiac, hip/knee replacement, cataract. The additional information would lead to an

understanding of the patient, provider and system characteristics that have an impact on waiting 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

Understanding the patterns of care people receive through the emergency room(ER) or urgent care settings is critical to health system planning. To date, available data have not been analyzed to determine whether there has been a relationship between ER utilization and the introduction of primary health care services, such as the health access centres, or the provincial health call centre—Health Links-Info Santé. For future planning across the system, a greater understanding of the types of demands on emergency room services, how patterns of ER utilization have changed over time, and why patients visit ER is needed. This project will look at the Misericordia Urgent Care dataset, as well as the ER datasets from Winnipeg hospitals.

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”, “waiting times”, or “patient safety” 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. Indicators will be reported for Manitoba’s regions over time. Summary measures will be produced in a few dimensions of health and health care.

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. Two sets of models will be developed: (1) models that will project the service needs of the population given various characteristics, e.g., age, sex, socioeconomic status, comorbidities; (2) models that will project the number of services that can be provided by the physician workforce given their characteristics, e.g., age, sex, number of years since graduation, 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.

RECENT MCHP DELIVERABLES

2004

Patterns of Regional Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study

by Patricia Martens, Randy Fransoo, Nancy McKeen, *The Need To Know* Team (funded through CIHR), Elaine Burland, Laurel Jebamani, Charles Burchill, Carolyn De Coster, Okechukwu Ekuma, Heather Prior, Dan Chateau, Renée Robinson and Colleen Metge

Patterns of Health Care Use and Cost at the End of Life

by Verena Menec, Lisa Lix, Carmen Steinbach, Okechukwu Ekuma, Monica Sirski, Matt Dahl and Ruth-Ann Soodeen

Diagnostic Imaging Data in Manitoba: Assessment and Applications

by Greg Finlayson, Bill Leslie and Leonard MacWilliam

Using Administrative Data to Develop Indicators of Quality in Family Practice

by Alan Katz, Carolyn De Coster, Bogdan Bogdanovic, Ruth-Ann Soodeen, and Dan Chateau

2003

Pharmaceuticals: Therapeutic Interchange and Pricing

by Steve Morgan, Anita Kozyrskyj, Colleen Metge, Noralou Roos and Matt Dahl

Pharmaceuticals: Focussing on Appropriate Utilization

by Colleen Metge, Anita Kozyrskyj, Matt Dahl, Marina Yogendran and Noralou Roos

Supply, Availability and Use of Family Physicians in Winnipeg

by Diane Watson, Bogdan Bogdanovic, Petra Heppner, Alan Katz, Robert Reid and Noralou Roos

Manitoba RHA Indicators Atlas: Population-Based Comparisons of Health and Health Care Use

by Patricia J Martens, Randy Fransoo, *The Need to Know* Team, Elaine Burland, Laurel Jebamani, Charles Burchill, Charlyn Black, Natalia Dik, Leonard MacWilliam, Shelley Derksen, Randy Walld, Carmen Steinbach, Matt Dahl, and Bogdan Bogdanovic

Why is the Health Status of Some Manitobans Not Improving? The Widening Gap in the Health Status of Manitobans

by Marni Brownell, Lisa Lix, Okechukwu Ekuma, Shelley Derksen, Suzanne De Haney, Ruth Bond, Randy Fransoo, Leonard MacWilliam and Jennifer Bodnarchuk

RESEARCH

Endowments/Gifts

Endowed Child Health Chair

This Endowed Chair was awarded by the Department of Energy, Science and Technology, Province of Manitoba. It will be used for providing fellowship awards to post-graduate students in the area of children's health research.

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 Financial Group Award for Research in Children's Health

This Award for Research in Children's Health was given to MCHP for the period January 2002 through January 2008. 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.

Personnel Awards

- Marni Brownell: CIHR New Investigator Award and Research Allowance, 2001 - 2006, \$385,485.
- Anita Kozyrskyj: CIHR New Investigator Award, 2003 - 2008, \$250,000.
- Lisa Lix. University of Manitoba Research Grants Program (New Faculty). December 2004. *Testing Covariance Structures in Multivariate Repeated Measures Designs*. \$7,100
- Patricia Martens: CIHR New Investigator Award, 2003 - 2008, \$250,000.
- Noralou Roos: Canada Research Chair in Population Health, 2001 - 2007, \$1,225,000.

Research Grants

Canada Foundation for Innovation and Manitoba Foundation for Innovation:

Roos NP. \$250,000, 1/2001 – 03/2005. "Sustaining Canada's Lead in Health Information Infrastructure: Enhancing the Population Health Research Data Repository."

Canadian Institutes for Health Research:

Brownell M, 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."

Leslie WD, O'Neil JD, Lix LM, Metge CJ, Roos LL. \$43,768, 11/2003 – 10/2004. "Clinical Determinants and Fracture Outcomes in Manitoba First Nations."

Lix LM, Deverteuil G, Roos LL, Robinson R, Walker JR. \$216,506, 10/2002 - 09/2004 "Mental Health Service Utilization and Population Mobility in Manitoba: A Longitudinal Analysis."

Martens PJ, Bowen S, Moffat 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 - 03/2006. "*The Need to Know*: Collaborative Research by the CAHR, MCHP, Rural and Northern Regional Health."

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

Canadian Population Health Initiative:

Brownell M, Roos NP, Watson D. \$488,015, 07/2003 - 06/2006. "Inequalities in Child Health: Assessing the Roles of Family, Community, Education and Health Care."

Health Science Centre Foundation:

Katz A. \$10,000. 09/2003 – 08/2004. "Androgen Replacement Monitoring Study."

Manitoba Health:

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

Manitoba Health Research Council:

Martens PJ. \$45,315, 09/2002 - 08/2004. "The Sagkeeng First Nation Follow-up Study #2. The Effect of prenatal interventions on breastfeeding initiation and duration."

RBC Financial Group:

Roos N. \$750,000, 01/2002 – 01/2008. "RBC Financial Group Senior Investigator Award for Research in Children's Health."

Social Sciences and Humanities Research Council of Canada

Brownell M, Willms JD. \$5,000, 10/2003 – 09/2004. "Raising and Leveling the Bar: INE: Collaborative Research Initiatives Program."

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."

University of Manitoba Grants Program:

Lix L. \$7,100, 12/2003 – 12/2004. "Testing Covariance Structures in Multivariate Repeated Measures Designs."

Winnipeg Inner-City Research Alliance:

Roos LL, Frohlich KL, Pachal D, Forsyth S. \$57,719, 12/2001 – 06/2004. "Winnipeg Quality of Life Survey Project."

Research Using the Manitoba Population Health Research Data Repository

Note: These projects are not run (financially or administratively) through MCHP, and may access more than one data source.

Assembly of Manitoba Chiefs:

O'Neil J. \$371, 309, 11/1999 - 11/2006. "Manitoba First Nations Longitudinal Health Survey: Data Linkage Study."

Canadian Health Services Research Foundation:

Sheps S., UBC, Young K, U of Manitoba. \$400,000. 06/2001 – 07/2006. Western Regional Training Centre in Health Services Research.

Canadian Institutes for Health Research:

Bruce S, Menec V. \$140,000, 2002 through 2004. "The Relation Between Stress and Diabetes in a First Nations Community."

Hayglass K, Kozyrskyj AL. \$1,500,000, 06/2002 – 05/2008. "Allergy and Asthma: From Molecular Regulation to Population Health."

Heaman M. \$250,000, 01/2003 – 01/2008. "New Investigator Award".

Kozyrskyj AL, Becker AB, Ernst P. \$219,050, 10/2002 - 09/2005. "Do Antibiotics in Early Life Contribute to the Development of Asthma in Children?"

Leslie W, Section of Nuclear Medicine, St. Boniface General Hospital, and Lix L. \$759,734, 01/2005 – 12/2009. "First Nations Bone Health Study (FNBHS II) – Longitudinal Measurements and Outcomes."

Leslie W, Section of Nuclear Medicine, St. Boniface General Hospital and Lix L. \$43, 768, 11/2003 – 10/2004. "Clinical Determinants and Fracture Outcomes in Manitoba First Nations."

O'Neil J, U. of Manitoba. \$1,250,000. 04/2002 – 09/2004. "Centre for Aboriginal Health Research – ACADRE Training Program."

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

Roos NP, Collins PK, Williams JI, Slaughter P, Laupacis A. \$142,654.89, 10/2003 – 10/2004. Canadian Institutes of Health Research and Canadian Population Health Initiative workshops on "Harmonizing Research and Privacy: Standards for a Collaborative Future."

Health Canada:

Havens B. \$283,509, 10/2000 – 12/2004. "Aging in Manitoba, Thirty Years Later."

Health Policy Research Program:

Metge C, Kozyrskyj AL and others. \$240,000, 08/2002 - 07/2004. "Evaluation of an Integrated Model and Iterative Loop Assessment of Drug Effectiveness in the Real World."

Institute of Health Economics:

Carrie A, U. of Alberta. \$28,666. 06/2003 – 06/2004. "Community-Acquired Pneumonia in Manitoba, Canada: The Effect of Income Level on the Choice of Initial Treatment."

Manitoba Health:

Havens B. \$131,800, 10/2000 – 10/2004. “Aging in Manitoba, Thirty Years Later.”

Merck Frosst Canada:

Metge C, Caetano PA, Anderson W, Leslie WD, Yuen CK. \$1,000,000, 11/2000 – 11/2004. “Maximizing Osteoporosis Management in Manitoba.”

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.”

Special Awards/Honours

Patricia Martens received a 2004 Winnipeg Rh Institute Foundation Award in recognition of outstanding research accomplishments in the Health Sciences category. The honours are given to researchers who are in the early stages of their research careers and who display exceptional innovation, leadership and promise in their respective fields. Past winners have become internationally-known researchers, so this recognition of early success augurs well for the future.

The Rh Awards were established in 1973 by the Winnipeg Rh Institute, now the Winnipeg Rh Institute Foundation, from funds set aside from the sale and production of medical formulae. Each winner receives \$10,000 for further research.

Noralou Roos was appointed as a Member of The Order of Canada on May 13, 2004. She was recognized as innovative administrator and researcher and her role in co-founding the Manitoba Centre for Health Policy. She also helped pioneer the use of administrative data to identify the health care patterns and trends of Manitobans over the past three decades.

The Order of Canada is the centrepiece of Canada’s Honours System and recognizes a lifetime of outstanding achievement, dedication to the community and service to the nation. The Order recognizes people in all sectors of Canadian society.

Michael Decter, a member of the MCHP Advisory Board, was appointed as a Member of The Order of Canada on May 13, 2004. He was recognized for his significant contribution to improved health care for Canadians. He is currently chair of the newly created Health Council of Canada and has served as chair of the Canadian Institute for Health Information.

PUBLICATIONS

2005

Afifi TO, Enns MW, Cox BJ, Martens PJ. Investigating health correlates of adolescent depression in Canada. *Can J Public Health* 2005; In press.

Albarrak M, Banno K, Sabbagh AA, Delaive K, Walld R, Manfreda J, Kryger MH. Utilization of health care resources in obstructive sleep apnea syndrome: A 5-year follow-up study in males using CPAP. *Sleep* 2005; In press.

Ballis DS, Chipperfield J, Perry RP. Optimistic social comparisons of older adults low in primary control: A prospective analysis of hospitalization and mortality. *Health Psychol* 2005; In press.

Black C, Roos NP, Roos LL. From health statistics to health information systems: A new path for the 21st century. In: Friedman DJ, Hunter EL, Parrish GR (eds): *Health Statistics Shaping Policy and Practice to Improve the Population's Health*. Oxford, UK: University Press; 2005. In press.

Black C, Roos LL. Linking and combining data to develop statistics for understanding the population's health. In: Friedman DJ, Hunter EL, Parrish GR (eds): *Health Statistics Shaping Policy and Practice to Improve the Population's Health*. Oxford, UK: University Press; 2005. In press.

Bowen S, Martens PJ, *The Need to Know* Team. Demystifying "Knowledge Translation": Learning from the community. *J Health Serv Res Pol* 2005; In press.

Carrie AG, Kozyrskyj A, Dahl M. Initial treatment of community-acquired pneumonia: The effect of income on site of care and choice of treatment (Working paper 04-10). Edmonton, AB: Institute of Health Economics; 2005.

Chipperfield J, Perry RP. Primary - and secondary-control strategies in later life: Predicting hospital outcomes in men and women. *Health Psychol* 2005; In press.

DeCoster C. Non-clinical factors associated with variation in cataract surgery waiting times in Manitoba. *Can J Aging* 2005; 24 (1 Suppl):47-58.

DeCoster C, Bruce S, Kozyrskyj A. Use of acute care hospitals by long-stay patients: Who, how much and why? *Can J Aging* 2005; 24 (1 Suppl):97-106.

Finlayson G, Stewart D, Tate RB, MacWilliam L, Roos NP. Anticipating change: How many acute care hospital beds will Manitoba regions need in 2020? *Can J Aging* 2005; 24 (1 Suppl): 133-140.

Finlayson M, Lix L, Finlayson G, Fong T. Trends in the utilization of specific health care services among older Manitobans: 1985 to 2000. *Can J Aging* 2005; 24 (1 Suppl):15-28.

Forget E, Deber RB, Roos LL, Walld R. Canadian health reform: A gender analysis. *Feminist Econ* 2005;11(1):123-141.

Jebamani L, Burchill C, Martens PJ. Using data linkage to identify First Nations Manitobans: Technical, ethical, and political issues. *Can J Public Health* 2005;96(1 Suppl):S28-S32.

Katz A, Saad F, Taguchi Y. Roundtable: Dialogues in medical management: screening the prostate. *Parkhurst Exchange* 2005;13(1):110-114.

-
- Keselman HJ, Wilcox RR, Lix LM, Algina J, Fradette K. Adaptive robust estimation and testing. *Br J Math Stat Psychol* 2005; In press.
- Kozyrskyj A, Curtis LJ, Hertzman C. Different approaches taken to child policy. In: Population Health Group (ed): *Healthier Societies: From Analysis to Action*. Canadian Institute for Advanced Research; 2005. In press.
- Kozyrskyj AL, Black C, Chateau D, Steinbach C. Discharge outcomes in seniors hospitalized for more than 30 days. *Can J Aging* 2005; 24 (1 Suppl):107-120.
- Kozyrskyj AL, Becker AB. Early life exposure to antibiotics for non-respiratory infections is associated with asthma. *J Allergy Clin Immunol* 2005;115:S173. Abstract.
- Leslie WD, Caetano PA, MacWilliam L, Finlayson GS. Construction and validation of a population-based bone densitometry database. *J Clin Densitom* 2005;8(1):25-30.
- Leslie WD, Derksen S, Metge CJ, Lix L, Salamon A, Wood Steiman P, Roos LL. Demographic risk factors for fracture in First Nations People. *Can J Public Health* 2005;96(1 Suppl):S45-S50.
- Leslie WD, Tully SA, Yogendran M, Ward LM, Nour KA, Metge CJ. Prognostic value of automated quantification of 99m Tc sestamibi myocardial perfusion imaging. *J Nucl Med* 2005;46(2):204-211.
- Liem J, Kozyrskyj AL, Becker AB. The risk of developing food allergy in premature/low birthweight children. *J Allergy Clin Immunol* 2005;115:S242. Abstract.
- Livingstone T, Lix L, McNutt M, Morris E, Rosenbluth D, Scott D, Watson F. To what extent does poor health precede welfare? *Can J Public Health* 2005; In press.
- Lix L, Algina J, Keselman HJ. Analyzing multivariate repeated measures designs: A comparison of two approximate degrees of freedom procedures. *Multivariate Behav Res* 2005; In press.
- Lix L, Hinds A, DeVerteuil G, Robinson JR, Walker J, Roos LL. Residential mobility and severe mental illness: A population-based analysis. *Ment Health Serv Res* 2005; In press.
- Lix L, Keselman HJ, Hinds A. Robust tests for the multivariate Behrens-Fisher problem. *Comput Methods Programs Biomed* 2005;77(2):129-139.
- Lix LM, Hinds AM, DeVerteuil G, Robinson JR, Walker J, Roos LL. Geographic mobility and severe mental illness: A population-based analysis. *Ment Health Serv Res* 2005; In press.
- Lix LM, Keselman HJ. Within-case designs: non-parametric and re-sampling approaches. In: Everitt BS, Howell DC (eds): *Encyclopedia of behavioral statistics*. New York: Wiley; 2005.
- Martens PJ, Avery Kinew K, Ten Fingers K, Jebamani L. Co-Editors of the Canadian Journal of Public Health's special supplement: Aboriginal Health Research and Policy: First Nations-University collaboration in Manitoba. January/February 2005. *Can J Public Health* 2005; 96(1 Suppl):S1-S63.
- Martens PJ, Sanderson D, Jebamani L. Health services use of Manitoba First Nations people: Is it related to underlying need? *Can J Public Health* 2005; 96(1 Suppl):S39-S44.

Martens PJ, Sanderson D, Jebamani L. Mortality comparisons of First Nations to all other Manitobans: A provincial population-based look at health inequalities by region and gender. *Can J Public Health* 2005; 96(1 Suppl):S33-S38.

Menec V, Sirski M, Attawar D, Katz A. Continuity of care with a family physician is linked to reduced hospitalization among older adults. *J Health Serv Res Pol* 2005; In press.

Menec V, Bruce S, MacWilliam L. Exploring reasons for bed pressures in Winnipeg acute care hospitals. *Can J Aging* 2005; 24(1 Suppl):121-132.

Menec V, Lix L, MacWilliam L, Soodeen R. Trends in the health status of older Manitobans, 1985 to 1999. *Can J Aging* 2005; 24(1 Suppl):5-14.

Metge CJ, Grymonpre R, Dahl M, Yogendran M. Pharmaceutical use among older adults: Using administrative data to examine medication-related issues. *Can J Aging* 2005; 24(1 Suppl):81-96.

Mitchell L, Roos NP, Shapiro E. Patterns in home care use in Manitoba. *Can J Aging* 2005; 24(1 Suppl):59-68.

Murray RP, Barnes GE, Ekuma O. Does personality mediate the relation between alcohol consumption and cardiovascular disease morbidity and mortality? *Addict Behav* 2005;30(3):475-488.

Peterson S, Shapiro E, Roos NP. Regional variation in home care use in Manitoba. *Can J Aging* 2005; 24(1 Suppl):69-80.

Roos LL, Gupta S, Soodeen R, Jebamani L. Data quality in an information-rich environment: Canada as an example. *Can J Aging* 2005; 24(1 Suppl):153-170.

Roos LL, Uhanova J, Walld R, Bond R. Physician visits, hospitalizations, and socioeconomic status: Ambulatory care sensitive conditions in a Canadian setting. *Health Serv Res* 2005; In press.

Roos NP, Brownell M, Menec V. Universal medical care and inequalities in health: Right objectives, wrong tools. In: Heymann J, Hertzman C, Barer M, Evans RG (eds): *Creating Healthier Societies: A Guidebook*. Oxford, UK: Oxford University Press 2005; In press.

Tate R, MacWilliam L, Finlayson G. A Methodology for Estimating Hospital Bed Need in Manitoba in 2020. *Can J Aging* 2005; 24(1 Suppl):141-152.

Watson D, Reid RJ, Roos NP, Heppner P. Growing old together: The influence of population and workforce aging on supply and use of family physicians. *Can J Aging* 2005; 24(1 Suppl): 37-46.

Watson D, Heppner P, Reid RJ, Bogdanovic B, Roos NP. Use of physician services by older adults: 1991/1992 to 2000/2001. *Can J Aging* 2005; 24 (1 Suppl):29-36.

Weisbaum KM, Slaughter PM, Collins PK. A Voluntary Privacy Standard for Health Services and Policy Research: Legal, Ethical and Social Policy Issues in the Canadian Context. *Alberta Health Law Review* 2005; In press.

2004

Brownell M. Injuries and socioeconomic status. In: Donner L (ed): *Injuries in Manitoba: a 10-Year Review*. Winnipeg, MB: Manitoba Health; 2004.

Carrie AG, Kozyrskyj A, Dahl M. Community-acquired pneumonia: Effect of income on choice of initial treatment. *Can J Clin Pharmacol* 2004;11:e93. Abstract.

Carrie AG, Kozyrskyj A, Dahl M. Outpatient treatment of community-acquired pneumonia in Manitoba, Canada. *Can J Clin Pharmacol* 2004;11:e115. Abstract.

Curtis LJ, Kozyrskyj A. From research to policy (or not): The case of "child policy" in Canada, the US and Norway. In: Heymann J, Hertzman C, Barer M, Evans RG (eds): *Creating Healthier Societies: A Guidebook*. Oxford, UK: Oxford University Press 2005; In press.

Deber RB, Forget E, Roos LL. Medical savings accounts in a universal system: Wishful thinking meets evidence. *Health Pol* 2004;70(1):49-66.

Dik N, Tate RB, Manfreda J. Risk of physician-diagnosed asthma in the first six years of life. *Chest* 2004;126(4):1147-1153.

Doupe M, Katz A, Kvern B, Manness LJ, Metge C, Morrison L, Thomson GTD, Rother K. Encouraging physician appropriate prescribing of non-steroidal anti-inflammatory therapies: protocol of a randomized controlled trial. *BMC Health Services Research* 2004;4:21.

Franklin J, Kozyrskyj A, Hall KW. Changing the culture of medication error reporting. *Can J Clin Pharmacol* 2004;11:e97. Abstract.

Katz A. Debating the Values of Family Medicine. Letter. *Can Fam Physician* 2004;50:538-541.

Kozyrskyj A, McMaster R, St. John P, Eros A, Roos LL, Young KT. Comorbidity decreases warfarin use in high risk persons with atrial fibrillation. *Can J Clin Pharmacol* 2004;11:e100. Abstract.

Kozyrskyj A, Carrie AG, Mazowita GB, Lix L, Klassen TP, Law B. Decrease in antibiotic use among children in the 1990's: Not all antibiotics, not all children. *Can Med Assoc J* 2004;171(2):133-138.

Kozyrskyj A, Dahl M, Chateau D, Mazowita GB, Klassen TP, Law B. Evidence-based prescribing of antibiotics in children: Role of socioeconomic status and physician characteristics. *Can Med Assoc J* 2004;171(2):139-145.

Kozyrskyj A, Racher A, Alessi-Severini S, Kvern B, Collins DM. Impact of formulary restriction on prescribing of celecoxib in Manitoba. *Can J Clin Pharmacol* 2004;11:e111. Abstract.

Kozyrskyj A, Dahl ME, Chateau DG, Mazowita GB, Klassen TP, Law BJ. Inappropriate prescribing of antibiotics in children: Role of physicians and importance of socioeconomic status. *Can Med Assoc J* 2004;171:139-145.

Kozyrskyj A, Dahl ME, Ungar WJ, Becker AB, Law BJ. Antibiotic treatment of wheezing in children. *Can Resp J* 2004;11:242. Abstract.

Kozyrskyj A, Racher A, Kvern B, Collins DM. Diffusion of prescribing of a new drug: The case of Celebrex. *Can J Clin Pharmacol* 2004;11:e75. Abstract.

Kozyrskyj A, Becker AB. Socioeconomic status and the development of asthma. *Allergy Asthma Clin Immunol* 2004;1:15. Abstract.

Leslie WD, MacWilliam L, Lix LM, Caetano P, Finlayson GS. A population-based study of osteoporosis testing and treatment following introduction of a new bone densitometry service (Published on-line October 2, 2004). *Osteoporos Int* 2004.

Leslie WD, Tully SA, Yogendran M, Ward LM, Nour KA, Metge CJ. Automated quantification of ^{99m}Tc sestamibi myocardial perfusion compared with visual analysis. *Nucl Med Commun* 2004;25(8):833-838.

Leslie WD, Derksen S, Metge CJ, Lix L, Salamon EA, Wood Steiman P, Roos LL. Fracture risk among First Nations people determined from a retrospective matched cohort study. *Can Med Assoc J* 2004;171(8):869-873.

Leslie WD, Metge CJ, Weiler H, Yuen CK, Krahn J, Doupe M et al. Site specific reductions in bone density in Canadian Aboriginal women: The First Nations Bone Health Study. *J Bone Miner Res* 2004;19:S288. Abstract..

Also a poster presentation at the 26th Annual Meeting of the American Society for Bone and Mineral Research, Seattle, WA, October 2004

Leslie WD, Krahn J, Weiler H, Metge CJ, Yuen CK, Doupe M et al. Vitamin D insufficiency in Canadian Aboriginal women: The First Nations Bone Health Study. *J Bone Miner Res* 2004;19:S423. Abstract.

Liem J, Kozyrskyj A, Becker AB. The natural history of wheezing syndromes in preterm children. *Allergy Asthma Clin Immunol* 2004;1. Abstract.

Lix L, Ekuma O, Brownell M, Roos LL. A framework for modelling differences in regional mortality over time. *J Epidemiol Community Health* 2004;58(5):420-425.

Lix L, Hinds A. Multivariate contrasts for repeated measures designs under assumption violations. *J Mod Appl Statistical Methods* 2004;3:280-290.

Martens PJ, *The Need to Know* Team. Health and health care services use of rural Manitobans: Do they differ from urban rates? (Published on the Canadian Population Health Society website: www.canpopsoc.org, 2004). 2004. Available from URL: www.canpopsoc.org

Martens PJ, Derksen S, Gupta S. Predictors of hospital readmission of Manitoba newborns within six weeks postbirth discharge: A population-based study. *Pediatrics* 2004;114(3):708-713.

McDonald K, Kozyrskyj AL, Lix L, Law B. Is there an association between childhood immunizations and childhood asthma? *Allergy Asthma Clin Immunol* 2004;1:16. Abstract.

McKeen N, Chipperfield JG, Campbell DW. A longitudinal analysis of discrete negative emotions and health-services use in elderly individuals. *J Aging Health* 2004;16(2):204-227.

Metge CJ, Leslie WD, Weiler H, Yuen CK, Doupe M, Salamon EA et al. Quality of life measures in Canadian Aboriginal women: The First Nations Bone Health Study. *J Bone Miner Res* 2004;19:S180. Abstract.

Also a poster presentation at the 26th Annual Meeting of the American Society for Bone and Mineral Research, Seattle, WA, October 2004

Metge CJ, Couple M, Katz A, Kvern B, Manness LJ, Thomson G, Yogendran M. Appropriate prescribing for persons at high risk for a GI complication: Current findings from general practice.

Pharmacoepidemiology and Drug Safety 2004; 13(S1): S188. Also appears in *Can J Clin Pharmacol* Vol 11(1) Spring 2004:e92.

Metge CJ, Leslie WD, Kvern B, Manness LJ, Yogendran M, Yuen CK. The burden and management of osteoporosis: A missed opportunity. *Pharmacoepidemiology and Drug Safety* 2004; 13(S1): S249. Also appears in *Can J Clin Pharmacol* Vol 11(1) Spring 2004:e80.

Newburn-Cook C, Hearne M, Schopflocher D, Forget E, Jacobs P, Casiro O, Blanchard J, Sauve R, Roos LL. Direct medical costs of preterm birth from birth to age seven years: A population-based study in Manitoba, Canada. *Pediatr Res* 2004;55(4, 522A, Part 2 Suppl).

Roos LL, Menec V, Currie RJ. Policy analysis in an information-rich environment. *Soc Sci Med* 2004;58(11):2231-2241.

Roos LL, Magoon J, Gupta S, Chateau D, Veugelers PJ. Socioeconomic determinants of mortality in two Canadian provinces: Multilevel modelling and neighborhood context. *Soc Sci Med* 2004;59(7):1435-1447.

Roos NP, Forget E, Walld R, MacWilliam L. Does universal comprehensive insurance encourage unnecessary use? Evidence from Manitoba says "no". *Can Med Assoc J* 2004;170(2):209-214.

Roos NP, Sullivan K. Health inequality hurts system. Prevention carries the potential for enormous savings. Op Ed. Winnipeg Free Press November 4th ed. 2004.

Roos NP, Sullivan K, Walld R, MacWilliam L. Potential savings from reducing inequalities in health. *Can J Public Health* 2004;95(6):460-464.

Sketris IS, Metge CJ, Shevchuk Y, Comeau DG, Kephart G, Blackburn J, MacCara ME, Laturas A. Comparison of anti-infective drug use in elderly persons in Manitoba, Nova Scotia, and Saskatchewan, Canada: Relationship to drug insurance reimbursement policies. *Am J Geriatric Pharmacother* 2004;2(1):24-35.

Watson D, Katz A, Reid RJ, Bogdanovic B, Roos NP, Heppner P. Family physician workloads and access to care, 1991 to 2001. *Can Med Assoc J* 2004;171(4):339-342.

Weiler H, Leslie WD, Salamon EA, Wood Steiman P, Metge CJ, Yuen C et al. Assessment of calcium and vitamin D intake using a modified food frequency questionnaire in Aboriginal and White women residing in Manitoba. *J Bone Miner Res* 2004;19:S290. Abstract.

PRESENTATIONS AND ABSTRACTS

2005

Brownell M, Kozyrskyj A, Roos NP. 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)

Finlayson G. Discussion of Mortality of White Americans, African Americans, and Canadians (Kunitz, 2005) (Health Economics "Brown Bag," University of Illinois at Chicago, Chicago, IL, April 2004)

Katz A. Assessing the impact of familial risk for cancer (Cancer Education for Family Physicians, Winnipeg, MB, January 2005)

Lix L, Fouladi R. Robust step-down tests for multivariate independent group designs (Annual meeting of the American Educational Research Association, Montreal, QC, April 2004)

Lix L. Estimating chronic disease prevalence from administrative health data. (Institute of Industrial Mathematical Sciences Seminar Series, University of Manitoba, Winnipeg, MB, March 2005)

Martens PJ. CIHR's *The Need To Know* Team in Manitoba. ("Joint Inter-regional Meeting": Public Health Managers Network and Medical Officers of Health, Winnipeg, MB, March 2005)

Martens PJ. Evidence-based decision-making...or Lost in Translation? (CHRSF Conference on Leveraging Knowledge: "Tools and Strategies for Action", Montreal, PQ, March 2005)

Martens PJ. Patterns of regional mental illness disorder diagnosis and service use in Manitoba: A population-based study (Alliance on Mental Health and Mental Illness in Manitoba, Winnipeg, MB, February 2005)

Martens PJ. Quantitative research and program evaluation designs 101: The good, the bad and the ugly (Graduate Student Class for 97:722: "The Ecology of Infectious Diseases", Winnipeg, MB, February 2005)

Martens PJ. The health and health care use of Registered First Nations people living in Manitoba: A population-based study (Medical Rehabilitation First Year Students, Winnipeg, MB, February 2005)

Martens PJ. Looking at women's health issues in Manitoba (Victoria General Hospital Auxiliary Meeting, Winnipeg, MB, January 2005)

Martens PJ. Taking the driver's test on the road to KT: Sharing what MCHP has learned through collaboration and CAHR. (CIHR: IHSPR/IPPH Meeting of Centres for Research Development and ICE Teams, Toronto, ON, January 2005)

Martens PJ. The Mental Illness Report (Psychiatric Nursing Course, Winnipeg, MB, January 2005)

Metge CJ, Soon J, Mackinnon N, Moride Y, Fielding DW, Levine M, McCormack J, Ensom MHH, LeLorier J, Sketris IS. An Evaluation Framework for "Therapeutic Effectiveness". Abstract presented at : Health Canada Science Forum, Ottawa, ON, October 2004.

Roos LL. The future of information-rich environments (Department of Public Health, University of Western Australia, Perth, AU, March 2005)

Roos LL. Working more productively - Tools for Information-rich environments ("HERON Methods Development Meeting" sponsored by the Institute for Health Research, Sydney Hospital, Sydney AU, March 2005)

2004

Alessi-Severini S, Rawas-Qalaji M, Racher A, Collins D, Kozyrskyj AL. Prescribing trends for Celecoxib (Celebrex®) in the province of Manitoba (American Association of Pharmaceutical Scientists Annual Meeting, Baltimore, MD, November 2004)

Beaulieu M, Martens PJ, Health Information Research Committee of AMC. The health and health care use of Registered First Nations people living in Manitoba: A Population-based Study. (abstract) Pacific Rim Indigenous Doctor's Congress, Cairns, AU, May 2004)

Beaumont JL, Lix L, Yost K, Hahn EA. Application of methods for the analysis of non-normally distributed patient-reported data (Joint Statistical Meetings, Toronto, ON, August 2004)

Bond R, Roos LL. Web-based tools for research design and project management (Canadian Population Society (CPS) 2004 Annual Meetings, Winnipeg, MB, June 2004)

Bowen S, Martens PJ, *The Need to Know* Team. From the front lines: Organizational barriers to evidence-based decision-making in rural and northern Regional Health Authorities. (Presented at the "Rural Health: Celebrating Diversity & Strength", Canadian Rural Health Research Society Conference, Sudbury, ON October 2004)

Bowen S, *The Need to Know* Team, Martens PJ. A collaborative approach to evaluation of knowledge translation initiatives (abstract) ("Rural Health: Celebrating Diversity & Strength." Canadian Rural Health Research Society Conference, Sudbury, ON, October 2004)

Bowen S, Martens PJ. What works in knowledge translation? Evaluating Manitoba's "*The Need To Know*" project (abstract) (Presented at the "Today's Choices - Tomorrow's Outcomes", 2004 Provincial Health Conference, Winnipeg, MB, September 2004)

Bowen S, *The Need to Know* Team, Martens PJ. Evaluating "Knowledge Translation" initiatives: A collaborative approach. (abstract) (Presented at the Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Brownell M, Roos NP, Guevremont A, MacWilliam L, Derksen S, Dik N, Bogdanovic B, Sirski M. Using population-based information to understand inequalities in child health: The relationship between socioeconomic status and educational achievement (Canadian Public Health Association Conference, St. John's, NFLD, June 2004)

Brownell M. What Can Population-Based Administrative Databases Add to Our Understanding of Inequalities in Child Outcomes? Preliminary Findings From the Manitoba Child Health Atlas. (Human Early Learning Partnership meeting, Vancouver, June 2004)

Brownell M, Roos NP. The power of administrative databases for studying child development (CIAR New Investigators Network meeting, Toronto, ON, April 2004)

Burland E, Martens PJ, Black C. *The Need To Know*: Collaborative research by the Manitoba Centre for Health Policy, the Rural and Northern Health Authorities and Manitoba Health (abstract) ("Partnerships and Balance: Today's Choices - Tomorrow's Outcomes" 2004 Provincial Health Conference, Winnipeg, MB, September 2004)

Burland E, Martens PJ, Fransoo R, *The Need to Know* Team, McKeen N, Ekuma O, Prior H, Burchill C. Higher Use of Home Care and Personal Care Home Services Among Manitoba Residents with Mental Illness Disorders. (Poster presentation 5th National Canadian Rural Health Research Society Conference and the 4th International Rural Nursing Congress "Rural Health: Celebrating Diversity and Strength", Sudbury, ON, September 2004)

Burland E Martens PJ. Patterns of regional mental health disorder diagnoses and service use in Manitoba: A population based study. (abstract) (Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Caetano PA, Metge CJ, Leslie WD. The influence of bone mineral density testing on the initiation of an osteoporosis-related pharmacotherapy: A population-based analysis (International Society of PharmacoEconomics and Outcomes Research (ISPOR) Annual Meeting, Washington, DC, May 2004)

Cleary E, Martens PJ, Burchill C, *The Need to Know* Team. Measuring depression prevalence: Comparing administrative and survey data. (abstract) (Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Deber RB, Forget E, Walld R, Roos LL. Designing drug benefit plans: How are pharmaceutical costs distributed in the population? (1st Conference of the Canadian Association for Health Services and Policy Research, Montreal QC, May 2004)

De Coster C. WCWL Primary Care Project Final Report. (Western Canada Waiting List Partners' Meeting. Calgary, AB, October 2004)

De Coster C. Estimating nursing home bed requirements in Manitoba: Model development using historical data and stakeholder feedback. (1st Conference of the Canadian Association of Health Services and Policy Research, Montreal, QC, May 2004)

Doupe M, Ioannidis G, Papaioannou A, Katz A, Kvern B, Hodsman A, et al. Study design of the Canadian quality circle (CQC) pilot project in osteoporosis (Poster presentation: American Rheumatologic Association, October 2004)

Finlayson G. Developing population-based/needs-based funding methodology for Manitoba regional health authorities (Manitoba Centre for Health Policy Research Forum; October, 2004; Regional Health Authorities of Manitoba; November 2004).

Forget EL, Roos LL, Walld R. How does an individual's past influence current demand for health services? (Canadian Population Society (CPS) 2004 Annual Meetings, Winnipeg, MB, June 2004)

Fransoo R, Martens PJ, *The Need to Know* Team, Ekuma O, Prior H, Burchill C. Health service use among people with mental health disorders: Striking findings for Manitoba's RHAs. ("Rural Health: Celebrating Diversity & Strength", Canadian Rural Health Research Society Conference, Sudbury, ON, October 2004)

Fransoo R Martens PJ. Which indicators and which borders? Population-based information for Manitoba's Regional Health Authorities (abstract) ("Today's Choices - Tomorrow's Outcomes", 2004 Provincial Health Conference, Winnipeg, MB, September 2004)

Fransoo R Martens PJ. Dealing with health information overload: Weaving indicator 'threads' into a meaningful story 'fabric'. (abstract) (Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Jacobs P Finlayson G. A national list of provincial health care costs for Canada - 2003 update. (Poster presentation at the Canadian Association for Population Therapeutics Conference, Winnipeg, MB, June 2004)

Jebamani L, Martens PJ, *The Need to Know* Team. The health of Manitobans: How has it changed over time? (abstract) (Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Katz A. The relationship between quality of care and safety: Exploiting quality assurance to improve safety (Patient Safety and Adverse Events New Strategies and Solutions; Toronto, ON, November 2004)

Katz A. Towards more appropriate utilization of NSAIDs: Evidence from a randomized controlled trial: MAAUI (Family Medicine Forum, Toronto, ON, November 2004)

Katz A. Predictors of beta-blocker prescription post myocardial infarction (North American Primary Care Research Group, Orlando, FL, October 2004)

Katz A. Using administrative data to develop indicators of quality in family practice (Canadian Institute for Health Information Data Users Conference: Quality Health Care Quality Information, Ottawa, ON, September 2004)

Katz A. Quality in primary care: Physician and practice predictors of beta-blocker prescription post myocardial infarction (Fourth Annual Western Canadian Family Medicine Research Conference, Vancouver, BC, May 2004)

Katz A. Using administrative data to develop indicators of quality in family practice (Presented to the 1) MMA Board, Winnipeg, MB, May; 2) Second Annual MCHP-Winnipeg Regional Health Authority Research Day, Winnipeg, MB, May 2004)

Katz A. Quality of care indicators of physician practices ("*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. 9, Winnipeg, MB, February 2005)

Keselman HJ, Wilcox RR, Lix LM, Algina J, Fradette K. Adaptive robust estimation and testing (Annual meeting of the American Educational Research Association, San Diego, CA, April 2004)

Kozyrskyj A. Decrease in antibiotic use among children in the 1990's: Not all antibiotics, not all children (Family Medicine Research Day. Winnipeg, MB, November 2004)

Kozyrskyj A. Synthesis of the Day. Beginning with the End in Mind: Creating a Research Partnership (2004 Summer Institute, Whistler, BC, June 2004)

Kozyrskyj A. Right drug to the right person: How good are prescription databases in evaluating this goal? (Canadian Association for Population Therapeutics Annual Conference, Winnipeg, MB, June 2004)

Kozyrskyj A, McMaster R, St John E, Eros A, Roos LL, Young KT. Warfarin use post stroke in persons with atrial fibrillation (World Stroke Congress, Vancouver, BC, June 2004)

Kozyrskyj A. Diffusion of prescribing of a new drug: The case of celebrex (Presented at the Department of Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg, MB, April 2004)

Kozyrskyj A. Decrease in antibiotic use among children in the 1990's: Not all antibiotics, not all children (Presented at the 1) Family Medicine Research Day, Winnipeg, MB, November; 2) Pediatric Grand Rounds, University of Manitoba, Winnipeg, MB, September 2004)

Leslie WD, Lix LM, MacWilliam L, Caetano P, Finlayson GS. A population-based study of osteoporosis testing and treatment following introduction of a new bone densitometry service (American Society for Bone and Mineral Research 26th Annual Meeting, Seattle, WA, October 2004)

Lix LM, Yogendran M, McKeen N, Bond R, Metge C. Defining and validating chronic disease: An administrative data approach (Inaugural conference on Chronic Disease Prevention, Ottawa, ON, November 2004)

Lix L. New development in longitudinal data analysis (University of Manitoba Research Seminar, Department of Immunology, Faculty of Medicine, Winnipeg MB, September 2004)

Lix L. Robust step-down tests for independent groups designs (University of Manitoba Statistics Workshop, University of Manitoba, August 2004)

Lix L DeVerteuil G. Modeling small-area variations in mental health service use with geographically weighted regression (Joint Statistical Meetings, Toronto, ON, August 2004)

Lix L. Understanding small-area variations in health service use: Can we do better with spatial regression models? (Department of Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg, MB, May 2004)

Lix L. Random effects models for health services data (Manitoba Centre for Health Policy, April 2004)

Magoon J, Roos LL. A possible disconnect - mortality risk and subjective health status in advantaged and disadvantaged neighbourhoods (Poster session of the 1) 1st Conference of the Canadian Association for Health Services and Policy Research, Montreal QC, May 2004 2) Canadian Student Health Research Forum, Winnipeg, MB, June 2004)

Magoon J. The importance of both places and people: Neighbourhood-individual cross-level interactions in models describing neighbourhood effects on health (1st Conference of the Canadian Association of Health Services and Policy Research, Montreal, QC, May 2004)

Martens PJ, *The Need to Know* Team. Mental illness diagnoses in Manitoba: A population-based analysis of prevalence and health care use patterns (Department of Community Health Sciences Colloquium Series, December 2004)

Martens PJ. Mental Illness in Manitoba: A population-based look at prevalence, place and patterns of health care use (Presented at the "Psychology Department Colloquium", University of Manitoba, Winnipeg, MB, November 2004)

Martens PJ. Nor-Man: Painting a population-based picture: Health status, mental health and health care use patterns ("Nor-Man Regional Health Authority Annual General Meeting" Snow Lake, MB, November 2004)

Martens PJ. Things your mother didn't tell you... Using population-based evidence in evaluation, planning and decision-making for primary care ("Department of Family Medicine Residents' Academic Project Presentation Day", St. Boniface Research Centre, Winnipeg, MB, November 2004)

Martens PJ. Research to action: What works? *The Need To Know* Team model in Manitoba ("Integrating Chronic Disease Prevention: Getting it Together. CDPAC Conference", Ottawa, ON, November 2004)

Martens PJ. What I do for a living! ("Brown Bag Lunch Sessions for CHS Graduate Students", Winnipeg MB, November 2004)

Martens PJ. A population-based study of mental illness treatment prevalence in Manitoba by region, sex and income. (Poster presentation "Rural Health: Celebrating Diversity & Strength. Sudbury, ON, October 2004)

Martens PJ. Leading research for the searching leader. ("La Leche League Canada" MB/SK District Workshop, Winnipeg, MB, October 2004)

Martens PJ. Looking at Women's health issues in Manitoba ("Manitoba Annual Health Auxiliaries Association Conference", Pinawa, MB, October 2004)

Martens PJ, Burchill C. Data linking at MCHP: Combining multiple secondary data sources (the agony and the ecstasy) ("Rural Health": Celebrating Diversity & Strength. Sudbury, ON, October 2004)

Martens PJ. How can we increase our commitment to evidence-based decision making? ("La Leche League Canada" MB/SK District Workshop, Winnipeg, MB, October 2004)

Martens PJ, McKeen N, Fransoo R. Patterns of regional mental illness disorder diagnoses and service use in Manitoba: A population-based study ("Assiniboine RHA Mental Health "SPIN" Network Group Meeting" Brandon, MB, October 2004)

Martens PJ, *The Need to Know* Team, Fransoo R, Burchill C. A population-based study of mental illness treatment prevalence in Manitoba by region, sex and income (abstract) ("Rural Health: Celebrating Diversity and Strength", Canadian Rural Health Research Society Conference, Sudbury, ON, October 2004)

Martens PJ. Moderator of the panel entitled, "Partnering for Performance (Performance Reporting/Accountability) ("Partnerships & Balance: Today's Choices, Tomorrow's Outcomes." 2004 Provincial Health Conference and Exhibition, Winnipeg, MB, September 2004)

Martens PJ, *The Need to Know* Team, Fransoo R, Burland E, Jebamani L, Burchill C. Health and health services use of rural and Northern Manitobans: Do they differ from urban rates? (abstract) ("Partnerships and Balance: Today's Choices-Tomorrow's Outcomes": 2004 Provincial Health Conference, Winnipeg, MB, September 2004)

Martens PJ. From Anecdote to Evidence: Working together for best practice. (Plenary speaker at the "Best Practices – Supporting Breastfeeding Worldwide", ILCA 2004 Conference, Phoenix, AR, July 2004)

Martens PJ. Tools of the trade: The "how to's" of doing breastfeeding research (Workshop at the "Best Practices - Supporting Breastfeeding Worldwide", ILCA 2004 Conference, Phoenix, AR, July 2004)

Martens PJ, *The Need to Know* Team, Bowen S. Influencing health policies and programs: Manitoba's *The Need to Know* collaboration. (abstract) (Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Martens PJ, Romphf L. From conceptual model to community change: A decade of breastfeeding research in Sagkeeng First Nation. (abstract) (Canadian Public Health Association 95th Annual Conference: "Population Health in Our Communities", St John's, NFLD, June 2004)

Martens PJ, *The Need To Know* Team. Rural and northern Manitobans – Are they sicker, and do they have less access to health care services than people living in Winnipeg and Brandon? (abstract) Canadian Population Society (CPS) 2004 Annual Meetings. Winnipeg, Manitoba. June 2004.

Martens PJ, Zelmer J. Information management and primary health care (Plenary speaker for "Moving Primary Health Care Forward: National Primary Health Care Conference, Winnipeg, MB, May 2004)

Martens PJ. 1) Coming full circle in primary prevention: Diabetes and breastfeeding. 2) The Health and Health Care Use of Manitoba's Registered First Nations People: A Population-Based Study. (Guest Lecturer, Centre for Health Management Research, University of Lethbridge, Lethbridge, AB, March 2004)

Martens PJ. Evidence-based decision-making...or lost in translation? (Plenary rebuttal to Philip Davies: "CHSRF Conference on Leveraging Knowledge: Tools and Strategies for Action." Montreal, QC, March 2004)

Martens PJ. Survey Research ... ask a silly question? (Agriculture CapStone Course, University of Manitoba (4th year agriculture students) Winnipeg, MB, January 2004)

McKeen N, Martens PJ, Burchill C, Chateau D, *The Need to Know* Team. Suicide attempts in Manitoba. Population-based indicators ("Rural Health: Celebrating Diversity & Strength", Canadian Rural Health Research Society Conference, Sudbury, ON, October 2004)

Menec V, Lix L, Steinbach C, Ekuma O, Sirski M, Soodeen R. An examination of factors related to location of death (Canadian Population Society (CPS) 2004 Annual Meetings, Winnipeg, MB, June 2004)

Metge CJ. EuroDURG: The use of quality indicators: How good are we at measuring prescribing quality: Quality indicators for the North American way. The International Society for Pharmacoepidemiology, Bordeaux, France, August 2004.

Newburn-Cook C, Heaman M, Schopflocher DP, Forget E, Jacobs P, Casiro O, Blanchard JF, Sauve R, Roos LL. Direct medical costs of preterm birth from birth to age seven years: A population-based study in Manitoba, Canada 1) Western Perinatal Research Conference, Banff, AB, February; 2) American Congress of Epidemiology, Boston, MA, September; 3) Pediatric Academic Societies, San Francisco, CA, May 2004)

Newburn-Cook C, Heaman M, Schopflocher D, Forget E, Jacobs P, Casiro O, Blanchard J, Sauve R, Roos LL. Direct medical costs of preterm birth from birth to age seven years: A population-based study in Manitoba, Canada (Poster Presentation at the Pediatric Academic SocietiesTM Annual Meeting, San Francisco, CA, May 2004)

Noseworthy T, Spady B, DeCoster C, Sanmartin C. Improving access to health care - the work of the Western Canada Waiting List Project. (1st Conference of the Canadian Association of Health Services and Policy Research, Montreal, QC, May 2004)

Prior H, Burland E, Martens PJ, *The Need to Know* Team. Patterns of regional mental health disorder pharmaceutical use in Manitoba: A population-based study (Presented at the Canadian Rural Health Research Society Conference, Sudbury, ON, October 2004)

Roos LL, Lix L. The future of information-rich environments (Canadian Population Society (CPS) 2004 Annual Meetings, Winnipeg, MB, June 2004)

Roos LL. Data analysis in an information-rich environment (Hospital for Sick Children in Toronto and at the Institute for Clinical and Evaluative Sciences, January 2005)

Roos NP. Inequalities in Educational Outcomes (Hospital for Sick Children in Toronto and at the Institute for Clinical and Evaluative Sciences, January 2005)

Shapiro E. Healthcare and seniors: Where the shoe pinches (Presented at the Legal Aid Ontario, Advocacy Centre for the Elderly, Law and Aging, Toronto, ON, November 2004)

Szwajcer D, Leslie WD, Shojania AM, Metge CJ, Yogendran M. The validation of an operational definition of cobalamin therapy derived from an administrative health database (University of Manitoba, Department of Internal Medicine, Resident Research Day, Winnipeg, MB, April 2004)

Watson D, Bogdanovic B, Heppner P, Katz A, Reid RJ, Roos NP. What's up docs? Population-based supply and use of family physicians (1991/92-2000/01) (Academy Health's Annual Research Meeting, San Diego, CA, June 2004)

MCHP Colloquiums in the Department of Community Health Sciences

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.

2004

Mental Illness Diagnoses in Manitoba: A Population-Based Analysis of Prevalence and Health Care Use Patterns, by Patricia Martens, Manitoba Centre for Health Policy, December 2004.

How Do Educational Outcomes Vary With Socioeconomic Status? Key Findings from the Manitoba Child Health Atlas 2004, presented by Randy Fransoo, Manitoba Centre for Health Policy, November 2004.

Women, Well-Being and Welfare—U.S. Policy and Research, by Jodie Levin-Epstein, Visiting RBC Scholar, Deputy Director of CLASP (Center for Law and Social Policy), Washington, DC.

Understanding Small-Area Variations in Health Service Use: Can We Do Better with Spatial Regression Models?, by Lisa Lix, Manitoba Centre for Health Policy, May 2004.

Auditory Processing in Children: Impact in the Classroom, by Katherine Rowe, Visiting RBC Scholar from the Royal Children's Hospital, Camberwell, Australia, May 2004.

Diffusion of Prescribing of a New Drug: The Case of Celebrex, by Anita Kozyrskyj, Manitoba Centre for Health Policy, April 2004.

Before the Bough Breaks: Implementing a Child Development Agenda in Australia., by Professor Fiona Stanley, Visiting RBC Scholar from the Telethon Institute for Child Health, Perth Australia, February 2004.

EDUCATION

Courses Taught in the Department of Community Health Sciences

Number	Title	Instructor
93.731	Epidemiology of Health Care	Anita Kozyrskyj
93.740	Topics in Health Services Research	Anita Kozyrskyj
93.749	Empirical Perspectives on Social Organization and Health	Anita Kozyrskyj
93.757	Managing Health Systems	Anita Kozyrskyj
93.755	Observational Epidemiology Design & Analysis of Longitudinal Data	Lisa Lix
93.747	Biostatistics I-tutorials	Aynslie Hinds
93.748	Biostatistics II-tutorials	Aynslie Hinds
93.752	Principles of Epidemiology	Patricia Martens
97.722	The Ecology of Infectious Diseases (guest lecturer)	Patricia Martens

Courses Taught in Other Departments

Department	Course title	Instructor
Pharmacy, Medicine	Principles of Professional Practice	Anita Kozyrskyj
Medicine	Fundamentals of Allergy and Asthma	Anita Kozyrskyj
Pharmacy	Pharmacy Administration, Pharmaceutical Health Policy, Introduction to Pharmacy	Colleen Metge
Medicine	Causation and Risk Factors; Introduction to Statistics, Research Methods	Lisa Lix
Psychiatric Nursing	Mental Illness Report	Patricia Martens
Medical Rehab	First Nations Health	Patricia Martens
Medicine	Aboriginal Health and Health Care	Patricia Martens

Other Teaching Activities

Activity	Instructors	Contact hours
Lectures	Carolyn De Coster, Alan Katz, Anita Kozyrskyj, Lisa Lix, Patricia Martens, Colleen Metge	126
Tutorials	Carolyn De Coster, Randy Fransoo, Anita Kozyrskyj, Lisa Lix, Patricia Martens	17
Exam set-up and marking	Patricia Martens, Colleen Metge	5

Education Resources

MCHP's commitment to training researchers extends to students in such fields as Epidemiology and Health Services Research. To this end, the Education Resources page (<http://www.umanitoba.ca/centres/mchp/teaching.html>) provides links to site-specific and off-site teaching materials. The outline and readings for the graduate course, *Epidemiology of Health Care*, incorporates links to the Concept Dictionary and other documents available on the MCHP website. Other MCHP-produced teaching resources include tutorials for using SAS and ArcView. MCHP researchers have contributed several lectures to the University of Pittsburgh's Epidemiology SuperCourse, garnering international interest in MCHP; links to these lectures are also included on the Education Resources page.

Graduate Student Supervision

Student Name	Degree Sought	Advisor	Committee Member	Faculty Name
Bodnarchuk, Jennifer	PhD		Yes	Patricia Martens
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
Doupe, Malcolm	PhD	Yes		Patricia Martens
Dyck, Myrna	MSc.		Yes	Patricia Martens
Franklin, Jonathon	PhD	Yes		Anita Kozyrskyj
Fransoo, Randy	PhD	Yes	Yes	Noralou Roos Patricia Martens
Guilbert, Kimi	MSc (Pharmacy)		Yes	Colleen Metge
Hayden, Leigh	MSc		Yes	Alan Katz
Hinds, Aynslie	MSc	Yes		Lisa Lix
Khan, Sazzadul	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
McDonald, Kara	MSc	Yes	Yes	Anita Kozyrskyj Lisa Lix
McMaster, Romy	MSc	Yes	Yes	Anita Kozyrskyj Lisa Lix
Nelson, Michelle	MSc		Yes	Alan Katz
Neufeld, Hannah	PhD	Yes		Patricia Martens
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
Robinson, J. Renee	PhD	Yes		Leslie Roos
Rona, Hazel Ann	MSc	Yes		Malcolm Doupe
Ross, Susan	MA		Yes	Evelyn Shapiro
Siemens, Barbara	MSc	Yes	Yes	Anita Kozyrskyj Patricia Martens
Smith, Dawn(U Ottawa)	PhD		Yes	Patricia Martens
Tolusso, David	MSc		Yes	Lisa Lix
Turner, Nancy	MSc (U of Regina)		Yes	Lisa Lix
Uhanova, Julia	PhD	Yes		Leslie Roos
Wright, Judith	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 briefed prior to relevant releases. These groups include: Departments of Education and Family Services & Housing; Manitoba Medical Association; College of Physicians and Surgeons; rural Regional Health Authorities; Assembly of Manitoba Chiefs; Manitoba Association of Registered Nurses, Manitoba Association of School Trustees, Registered Psychiatric Nurses Association; Manitoba Association of School Superintendents, and the Social Planning Council of Winnipeg. 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 briefings on the 2004/05 reports were provided to the WRHA and other specialty groups within the WRHA such as Senior Management and Program Team Managers. As well, MLAs Stuart Murray and Myrna Driedger were briefed on the Mental Illness deliverable. An overview of MCHP was given to the Healthy Child Cabinet Committee.

Canadian Journal of Public Health Supplement: *Aboriginal Health Research and Policy: First Nations-University Collaboration in Manitoba*, January/February 2005

This special supplement to the CJPH was funded through Health Canada. MCHP Acting Director Patricia Martens and Research Assistant Laurel Jebamani were the supplement editors along with Kathi Avery Kinew and Keely Ten Fingers from the Assembly of Manitoba Chiefs. The supplement articles highlight collaborative research between Aboriginal peoples and university researchers in the Department of Community Health Sciences at the University of Manitoba.

Canadian Journal on Aging Supplement: *Health and Health Care use Among Older Adults: Using Population-Based Information Systems to Inform Policy in Manitoba*, Spring 2005

This supplement published by the Canadian Association on Gerontology (dedicated to Betty Havens, who died March 1, 2005), and edited by Verena Menec, examines health and health care use among older adults in Manitoba. The papers in this special issue focus on Manitoba's seniors, however, the implications of the research are applicable to researchers and policy-makers across Canada.

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 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.

Knowledge translation efforts began long before these finished products, and our 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.

Presentation of preliminary results to key stakeholders, and responding to feedback from these presentations is a vital part of knowledge translation activities.

Presentations, Workshops and Briefings:

2005

Fransoo R. Ward T, Seven Oaks School Division, February 2005

Fransoo R. Brandon School Division Professional Development Day for superintendents, administrators and teaching staff, February 2005

Fransoo R. St. James Assiniboia School Division superintendents, March 2005

Fransoo R, Reddy S. Delta Kappa Gamma Women Leaders in Education, March 2005

Fransoo R, Ward T, Roberts J, Wilson E. Plenary Workshop, Manitoba Association of School Trustees pre-convention meetings, March 2005

Fransoo R. Council of Coalitions Health Care Management Group, March 2005

2004

Fransoo R. To Government of Manitoba several times from January to May 2004(i.e., Dept. of Education: Research & Planning staff, Education Information Systems people, Assessment Branch, senior Healthy Child Manitoba staff)

Fransoo R. Senior Administrators, Winnipeg area schools meeting, April 2004

Fransoo R. Urban Superintendents group, April 2004

Fransoo R. Pre-release briefing to staff from Departments of Education, Health, and Family Services, June 2004

Fransoo R. Radio interview on CBC Radio One Questionnaire, June 2004

Fransoo R. Repeat briefing to staff from Departments of Education, Health, and Family Services, July 2004

Brownell M, Roos NP, Fransoo R, Guevremont A, MacWilliam L, Derksen S, Dik N, Bogdanovic B, Sirski M. RHA and socioeconomic status? Key findings from the Manitoba Child Health Atlas 2004, Eleventh Annual Rural and Northern Health Care Meeting, Winnipeg, MB, September 2004

Brownell M. *How do educational outcomes vary by RHA & socioeconomic status? Key findings from the Manitoba child health atlas 2004.* "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. 11, Winnipeg, MB, September 2004

Fransoo R. Manitoba Education Research Network (MERN) affiliate groups, September 2004

Fransoo R. Manitoba Schools Finance Branch, Stephen Power, September 2004

Brownell M, Roos NP, Fransoo R, Guevremont A, MacWilliam L, Derksen S, Dik N, Bogdanovic B, Sirski M. Inequalities in child health: Bringing together New Data Sources to assess the roles of family, community, education and health care. Meeting of Deputy Ministers of the Healthy Child Committee, Winnipeg, MB, October 2004

Fransoo R. Social Planning Council of Winnipeg think tank, October 2004

Fransoo R. COPSE Council (Council on Post Secondary Education), October 2004

Fransoo R. Provincial Early Childhood Development Committee, November 2004

Fransoo R. UM Dept of Community Health Sciences Colloquium, November 2004

Fransoo R. Seine River School Division (superintendents, consultants, etc.), November 2004

Fransoo R. River East Transcona School Division (superintendents, consultants, administrators), November 2004

RBC Financial Group Child Health Research

Research on children's health continues at MCHP. The gift from the RBC Financial Group has helped MCHP researchers establish ties with outstanding groups to ensure that MCHP takes full advantage of the unique data resources in the Repository. In the fall of 2004, several collaborative meetings occurred with MCHP researchers and RBC Financial Group Visiting Research Fellows:

- Ken Rowe, Research Director, Australian Council for Educational Research visited in May and conducted a workshop on multi-level data analysis.
- Katherine Rowe, Royal Children's Hospital, Camberwell, Australia presented to the Department of Clinical Health Psychology, University of Manitoba on "Chronic Fatigue Syndrome in Children and Adolescents: Is it all in the mind?", on May 26, 2004. In addition to this presentation, as part of her visit, she met with numerous child health researchers and physicians within the Faculty of Medicine.
- Jodie Levin-Epstein, Deputy Director of CLASP (Center for Law and Social Policy), Washington, DC.
- Tom Boyce, Professor of Epidemiology & Child Development and Head of the Division of Health & Medical Sciences at University of California Berkeley
- Leonard Syme, Professor Emeritus, UC Berkeley School of Public Health
- Doug Jutte, a pediatrician from UC San Francisco and UC Berkeley
- Jeanne Brooks-Gunn, the Virginia and Leonard Marx Professor of Child Development and Education at Teachers College, Columbia University
- Nancy Adler, Network Chair of the John D. and Catherine T. MacArthur Research Network on Socioeconomic Status and Health
- John Frank, Director of the CIHR's Institute for Population and Public Health.

Doug Jutte joined MCHP as an RBC Financial Group Child Health Clinical Research Fellow, to begin his work as Principal Investigator in a new study looking at "The Apgar Score as an Early Measure of Resilience". Noralou Roos and Marni Brownell are co-investigators in the study. The study will look at the long-term physical, cognitive and behavioural outcomes of Manitoba children born over the 20-year period from 1984/85 to 2003/04, to determine if the Apgar score given at birth is a predictor of a child's long-term mental and physical health.

Christine Schippers joined MCHP in September 2004 as an RBC Research Fellow. Christine is working on two major projects with Noralou Roos and Marni Brownell, both within the scope of the three-year study "Inequalities in Child Health: Assessing the Roles of Family, Community, Education and Health Care." The first project is a paper with Marni Brownell and Doug Jutte, where Christine is co-author. As well, she is the primary programmer on a study examining the social and biomedical variables on educational outcomes and hospitalization rates of a cohort of children born in 1984, up to their 19th birthday. The second project, in collaboration with Noralou Roos, involves an in-depth examination of outcomes for children living in families receiving income assistance.

CentrePiece Newsletter

Our newsletter, *CentrePiece* was published twice during the 2004/2005 fiscal year. Issue No. 15, Summer 2004 and Issue No. 16, Spring, 2005 The most recent issue is available in pdf format at: http://www.umanitoba.ca/centres/mchp/publish_present/pdfs/centre.piece_2005.1.pdf

Manitoba Health Day

The second annual Manitoba Health Day was held on March 15, 2005 at the Caboto Centre. The purpose of this day is to enhance communication and knowledge transfer between MCHP and Manitoba Health. Malcolm Doupe chaired and organized the day. Greetings were given by the Manitoba Health Minister Tim Sale in the morning and Patricia Martens, MCHP Director. The Mental illness Report was the focus of the morning MCHP facilitated discussion groups. Presentations were done on preliminary findings of upcoming deliverables: Patient Safety Deliverable presented by Sharon Bruce, Personal Care Home Indicators presented by Malcolm Doupe, and the Sex Differences Deliverable by Randy Fransoo. The day finished up with the launch of the Manitoba Health/MCHP Intranet site.

Some evaluation comments received from those in attendance included:

"Well organized...RHA Atlas and roundtable presentations were great! It was extremely helpful to have MCHP research assistants at the table. All speakers were wonderful - thanks for presenting your great work...Also appreciated the opportunity to provide feedback during the morning/afternoon. Dr. Martens joy and enthusiasm/energy is infectious. Great ambassador for research and the centre. Let's do this on an annual basis. This was one of the best "in-service" days I've had with Manitoba Health. Thank you!"

"Seeing/hearing from MCHP staff and learning about how they work to help us do our work, and learning how we can work better together."

Media Interviews

Part of MCHP's mandate is to broaden and inform the debate about health, the health care 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.

2005

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Andre Picard, The Globe and Mail, March 29, 2005.

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Paul Turenne, The Winnipeg Sun, March 29, 2005.

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Mia Rabson, Winnipeg Free Press, March 29, 2005

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Judy Waytiuk, Pharmacy Post, March 29, 2005

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Lisa Hrytsak, Global News, March 29, 2005

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Margaux Watt, CBC RadioOne, March 29, 2005

Kozyrskyj A. *High-Cost Pharmaceutical Users: Who Are They?* Interview with Kacey Wilson, CJOB Radio, March 29, 2005

Martens PJ. Breastfeeding research and health benefits. Interview with Eva Kovacs on Global TV, March 11, 2005. (This was part of a program series entitled "First Baby", *BreastfeedingI* broadcast March 16, 2005)

Rabson M. High-cost drug users identified. Tiny number using 40% of medications. Interview with Anita Kozyrskyj on *High-Cost Users of Pharmaceuticals: Who Are they?* Winnipeg Free Press, March 30, 2005.

Russell F. Health debate not about money. MCHP Data Repository mentioned. LL Roos, E Forget and R Deber's MSA study highlighted. Winnipeg Free Press February 18, 2005.

Russell F. Klein's 'third way' is wrong road. Interview with NP Roos, R Deber, W Armstrong. Winnipeg Free Press, January 21, 2005.

Shapiro E. Interview with Ellie Robson, Public Health Department, Edmonton, Alberta, January 11, 2005.

Turenne P. Drug-use study. 5% buy 41% of prescriptions. Interview with Anita Kozyrskyj on *High-Cost Users of Pharmaceuticals: Who Are They?* Winnipeg Sun, March 30, 2005.

2004

Brownell M. *How do Educational Outcomes Vary With socioeconomic Status: Key Findings from the Manitoba Child Health Atlas 2004*. Interview with Geoff Currier, CJOB Radio, June 28, 2004.

Brownell M. *How do Educational Outcomes Vary With socioeconomic Status: Key Findings from the Manitoba Child Health Atlas 2004*. Interview with Roger Currie, CJOB Water Cooler Show, June 28, 2004.

Brownell M. *How do Educational Outcomes Vary With socioeconomic Status: Key Findings from the Manitoba Child Health Atlas 2004*. Interview with Margaux Watt, CBC Radio Questionnaire Show, November 8, 2004.

Brownell M. *How do Educational Outcomes Vary With socioeconomic Status: Key Findings from the Manitoba Child Health Atlas 2004*. Interview with Geoff Currier, CJOB Radio Water Cooler Show, June 28, 2004.

De Coster C. Benchmark waiting times. Interview with 1) Ross Knutsen, CBC Radio Whitehorse, September 16, 2004 2) Priat Ramu, CBC Radio Vancouver 3) Margaux Watt, CBC Radio Winnipeg.

De Coster C. Fraser Institute's waiting your turn, 14th edition. Interviews with 1) Marisa Dragani, CBC Television, Winnipeg, October 19, 2004 2) Heather Sokoloff, National Post.

Katz A. Manitoba care: How to improve performance. Interview with The Medical Post, May 4, 2004.

Katz A. Rating care. An innovative system with 13 quality indicators shows Manitoba family physicians are doing OK. Interview with David Square, The Medical Post, May 4, 2004

Katz A. Supply of physicians and issues surrounding health care costs. Interview with Paul Egan, Winnipeg Free Press, August 1, 2004.

Kozyrskyj A. Antibiotic use among children is decreasing. Interview with Benoit Livernoche, CBC French TV News, August 9, 2004.

Kozyrskyj A. Children and use of antibiotics. Interview with Barry Dworkin, CFRA Radio Health Show, July 25, 2004.

Kozyrskyj A. Children at risk from antibiotics. Interview with Sheryl Ubelacker, Toronto Star, July 23, 2004.

Kozyrskyj, A. Studies show children getting fewer antibiotics. Interview by Sheryl Ubelacker, Winnipeg Free Press, July 20, 2004.

Kozyrskyj A. The number of prescriptions for certain antibiotics for children under 5 has increased. Interview with Megan Leech, CJOB Radio Morning News, July 20, 2004.

Kozyrskyj A. Why is asthma increasing? Interview with Geoff Currier, CJOB Radio Water Cooler Show, May 3, 2004.

Kozyrskyj A. Why is asthma increasing? Interview by Margaux Watt, CBC Radio, May 4, 2004.

Martens PJ. Health of First Nations people in Manitoba. Interview with Graeme Smith, Globe and Mail, July 6, 2004.

Martens PJ. Manitoba's comparable health indicator report. Interview with Margaux Watt, CBC Radio "The Afternoon Edition", Winnipeg, MB, November 30, 2004.

Martens PJ. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. Interview with Richard Cloutier on CJOB Radio, September 16, 2004.

Martens PJ. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. Interview with Brenda Fehr, CanStar Community News Ltd., October 13, 2004.

Martens P. J. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. Interview with Richard Cloutier, CJOB Radio, September 28, 2004.

Martens PJ. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. Free Press interview with Mia Rabson, Winnipeg, MB, September 28, 2004.

Martens PJ. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. Interview with Brenda Fehr, Canstar Community News (The Lance, The Metro), Winnipeg, MB, October 12, 2004.

Martens PJ, Fransoo R. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. Interview with Margaux Watt, CBC Questionnaire Show, October 7, 2004.

Martens PJ, Fransoo R. *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*, discussion on Mental Health Week. Interview by Margaux Watt, CBC Radio Noon Phone-In Show, Winnipeg, October 7, 2004.

Mitchell C. Queue forms for Head Start. Report cited: *How do Educational Outcomes Vary With socioeconomic Status: Key Findings from the Manitoba Child Health Atlas 2004* by Marni Brownell et al., Winnipeg Free Press, November 4, 2004.

Roos NP. Canadian Honours, Order of Canada. Interview with Shelagh Rogers, CBC Radio, November 2, 2004.

Roos NP. Order of Canada. Interview with Terry MacLeod, CBC Radio, Winnipeg, September 2, 2004.

Roos NP, Fransoo R. *How do Educational Outcomes Vary With Socioeconomic Status? Key Findings from the Manitoba Child Health Atlas 2004*. Interview by Margaux Watt, CBC Radio, Winnipeg, June 28, 2004.

Roos NP, Fransoo R. *How do Educational Outcomes Vary With Socioeconomic Status? Key Findings from the Manitoba Child Health Atlas 2004*. Interview with Margaux Watt, 1) CBC Radio Questionnaire Program 2) CBC The Afternoon Edition (Manitoba), June 28, 2004.

Roos, NP, Fransoo, R. *How do Educational Outcomes Vary With Socioeconomic Status? Key Findings from the Manitoba Child Health Atlas 2004*. Interview with Margaux Watt, CBC Questionnaire Show, June 28, 2004.

Shapiro E. Home care interview for the evaluation of the Federal Health Transition Fund with Donna Nicholson, Work flow integrity network, June 4, 2004.

Shapiro E. Home care. Interview with Val Werier, Winnipeg Free Press, May 14, 2004.

Shapiro E. Interview with Lisa Priest, The Globe and Mail, Toronto, August 23, 2004.

Shapiro E. Manitoba Home Care program policies. Interview with Patty Randall, Private consultant, Vancouver, October 25, 2004.

Shapiro E. New long-term care project. Interview with Lisa Priest, Globe and Mail, August 23, 2004.

Sylvain M. CRHRS: Mental illness 'staggering' Man. health: Mentally ill patients present for physical comorbidity twice as often, study shows. Interview with Randy Fransoo about the *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study* report. The Medical Post 2004;40(43).

Media Releases

2005

High-Cost Drug Users in Manitoba. Media release for report: *High-Cost Users of Pharmaceuticals: Who Are They?* March 30, 2005.

2004

School's out! So how did your child do? Media release for report: *How Do Educational Outcomes Vary With Socioeconomic Status? Key Findings from the Manitoba Child Health Atlas 2004*, June 28, 2004.

Mental Illness More Common than Expected. Media release for report: *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*, September 30, 2004.

Manitoba Doctors Get An "A". Media release for report: *Using Administrative Data to Develop Indicators of Quality in Family Practice*, March 25, 2004.

Where Will You Die? Media release for report: *Patterns of Health Care Use and Cost at the End of Life*, February 17, 2004.

Rural & Northern Health Care Days

MCHP hosts an annual Rural and Northern Health Care 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 11th annual day was held on September 28, 2004. Attendance at the meeting hit an all-time high with approximately 180 people from all over Manitoba. They included CEOs, board members, direct care providers and planners. The focus of the day was the report *Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study* also known as the Mental Illness report. Following a presentation by the report author and event chair, Patricia Martens, the attendees broke into groups with other representatives from their own RHAs. Each RHA group was co-facilitated by *The Need to Know* Team members. Each group focussed on looking for “stories” in the report (a few graphs which were pertinent to their RHA in planning, programs or policies) in the report, describing what the graphs said, what issues or concerns they raised, and what might be done to address those concerns. Michael Rachlis was the day’s keynote speaker in the afternoon on his recent publication entitled “Prescription for Excellence”.

Some evaluation comments received from those in attendance included:

“It was very informative, well organized. Peaked my interest in gathering information on adolescent mental health issues in Winnipeg.”

“Mental illness deliverable discussion - getting into the actual report and looking at regional data with interested folks is most useful. Enjoyed the RHA good news stories.”

“Very impressed with vignettes by Dr. Martens. All presentations were excellent. Great MC!! RHA discussions constructive, RHA stories based on Atlas evidence was very helpful and interesting. Impressed with dedication by MCHP to a study of Mental Illness Disorders & Service Use in Manitoba, will be very useful data to reference. Dr. Rachlis - superb overview of health care systems, excellent speaker. What a treat!”

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; and (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-day sessions in Winnipeg. These meetings are designed to respond to the goals by including relevant activities. Due to the enthusiasm of all participants and the CEOs of the RHAs, the team has expanded from one to two persons per RHA. The Team completed their first research report—*The Manitoba RHA Indicators Atlas: Population-Based Comparisons of Health and Health Care Use*—released in June 2003. The second collaborative research project was completed and released on September 28, 2004—*Patterns of Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study*. A third project is nearing completion in the fall of 2005—*Sex Differences in Health Status, Health Care Use, Outcomes and Quality of Care: A Population-Based Study for Manitoba’s Regional Health Authorities*.

The two-day meetings of the Team incorporate a variety of sessions designed to encourage two-way learning between researchers and planners/policy-makers. This has included a huge variety of sessions, some of which were:

- Collaborative work on the Mental Illness and Sex Differences deliverables.
- Facilitation Skills and Training
- Dissemination Strategies
- PCH Quality Indicators discussion
- Model for Site Visits
- Multiple Sclerosis in Manitoba
- Evidence-based Innovation in Manitoba – RHA stories from *The Need to Know* Team
- *How do Educational Outcomes Vary by RHA & socioeconomic Status? Key Finding from the Manitoba Child Health Atlas 2004*
- Computer Session: There for the Taking: Accessing Data from MCHP's Web Resources
- Population Mobility & Mental Health Services: A Geographic Analysis
- Prescription for Excellence: How innovation can improve rural and remote health care
- MOH 101: Overview of the Medical Officer of Health's role in the regions, relationship to the RHA and to Manitoba Health
- Quasi-Experimental Designs Revisited: What Works?
- Dissemination of Mental Illness Report within the RHAs
- fGIS training workshop
- Media presentation: Getting the Message to the Right People by André Picard of The Globe and Mail.

A key element of the project is the evaluation component by Sarah Bowen. Through in-person interviews and surveys of the team members and key stakeholder groups (including the RHA CEOs), Sarah examines how knowledge transfer takes place, what works and what does not, and what improvements can be made to the project itself. Sarah Bowen prepared and presented the report *The Need to Know* Project Evaluation 2002-2004 in August 2004.

Despite the intensity of the meetings, *The Need To Know* Team also finds time to have fun and learn creatively at the lunch and dinner meetings. The *Team* has been spreading the word of its success through oral and poster presentations. People throughout Canada are taking note of the success of this collaborative research approach, and how it is being fine-tuned in Manitoba. Both Nova Scotia and Saskatchewan are looking at replicating *The Need to Know* Team model in their respective provinces.

***The Need to Know* Team Workshops**

2005

Bowen S Martens PJ. Site visits & evaluation ("*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. 12, Winnipeg, MB, January 2005)

Brownell M. How the MCHP repository has been used to study childhood mental disorders (Lieutenant Governor's Advisory Council on disorders of Childhood Development, Winnipeg, MB, January 2005)

Cleary E. MOH 101 ("*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. 12, Winnipeg MB, January 2005)

Fransoo R. Sex differences deliverable ("*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. 12, Winnipeg MB, January 2005)

Martens PJ, Dacombe Dewar L, Erickson T, Crockett S, Bowen S. Manitoba's *The Need To Know* Project - project overview, perspectives and an RHA workshop illustration (Knowledge Transfer Workshop in Nova Scotia (sponsored by CHSRF): Halifax, NS, March 2005)

Martens PJ. Taking the driver's test on the road to KT: CIHR's *The Need To Know* Team in Manitoba. (CIHR Governing Council Meeting on the invitation of Dr. Alan Bernstein, President of CIHR). Ottawa, ON, March 2005)

Martens PJ. Taking the driver's test on the road to KT: Sharing what MCHP has learned through collaboration and CAHR (Workplace, Safety and Insurance Board of Ontario -- Research Advisory Council, Toronto ON, March 2005)

Martens PJ. Patterns of regional mental illness disorder diagnoses and service use in Manitoba: A population-based study. ("Manitoba Health/MCHP Second Annual Workshop Day", Winnipeg, MB, February 2005)

Martens PJ. Quasi-experimental designs revisited - what works? (*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. 12, Winnipeg, MB, February 2005)

Martens PJ. Taking the driver's test on the road to KT: CIHR's *The Need To Know* Team in Manitoba. ("CIHR Scientific Directors' Meeting" (on the invitation of Dr. Alan Bernstein, President of CIHR), Ottawa, ON, February 2005)

Martens PJ. MCHP - Who are we and what we do. (Meeting with the Lieutenant Governor's Advisory Board on Disorders of Childhood Development, Winnipeg, MB, January 2005)

of Health and the Minister of Healthy Living, Winnipeg, MB January 2005)

Picard A. Getting the right message to the right people (*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. 12, Winnipeg, MB, February 2005)

2004

Bowen S. Best practices for dissemination ("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. 11, Winnipeg, MB, September 2004)

Bowen S. The evaluation of *The Need to Know* project - Part 2 (Presented at the "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. 10, Winnipeg, MB, May & June 2004)

Bowen S. Evaluation reports and findings (Presented at the "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. 9, Winnipeg, MB, February 2004)

Burland E, Jebamani L. Poster making workshop ("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. 9, Winnipeg, MB, February 2004)

Doupe M. Personal care home quality of care discussion ("*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. 11, Winnipeg, MB, September 2004)

Fransoo R. Concurrent computer session - "There for the taking: Accessing data from MCHP's web resources" ("*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. 11, Winnipeg, MB, September 2004)

Fransoo R Martens PJ. Sex Differences Deliverable ("*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. 11, Winnipeg, MB, September 2004)

Fransoo R. The gender project ("*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. 10, Winnipeg, MB, May & June 2004)

Lix L. An overview of mobility patterns for people having mental illness diagnosis (Manitoba Centre for Health Policy 11th Annual Rural and Northern Health Care Meeting, Winnipeg, MB, September 2004)

Lix L. Population mobility & mental health service: A geographic analysis ("*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. 11, Winnipeg, MB, September 2004)

Martens PJ. Patterns of regional mental illness disorders diagnosis & service use in Manitoba: A population-based study ("*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. 11, Winnipeg, MB, September 2004)

Martens PJ. Patterns of regional mental health disorders diagnosis and service use in Manitoba: A population base study (Manitoba Centre for Health Policy 11th Annual Rural and Northern Health Care Meeting, Winnipeg, MB, September 2004)

Martens PJ. Statistical & Epidemiology ("*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. 10, Winnipeg, MB, May & June 2004)

Martens PJ. The RHA indicators atlas. Organizer and Chair, First annual MCHP/Manitoba Health day, Winnipeg, MB, March 2004

Martens PJ. Influencing health policy: What works? Learning along the road of MCHP and *The Need to Know* project (Western Regional Training Centre Graduate Students' Workshop, Winnipeg, MB, February 2004)

Martens PJ. Quantitative research methods & program evaluation 101 ("*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. 9, Winnipeg, MB, February 2004)

McKeen N, Martens PJ, Fransoo R. Discussion of deliverable #2: The mental illness report ("*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. 9, Winnipeg MB, February 2004)

Training, Workshops and Tutorials

Lix L Fouladi R. (University of Manitoba Statistics Research Workshop, Winnipeg, MB, August 2004)

Lix L. Statistical methods for longitudinal database studies. (Canadian Association for Population Therapeutics Annual Conference, Winnipeg, MB, Pre-conference workshop, June 2004)

Lix L. Using SAS for longitudinal data analysis. (Canadian Population Society Annual Meeting, Winnipeg, MB, Conference workshop, June, 2004)

Martens PJ. Introduction to the day - primary care. Organizer and Chair, Second Annual WRHA/MCHP Health Care Day, Winnipeg, MB, April 2004.

Slaughter PM, Collins P, Weisbaum KM, Laupacis A, Roos NP, Williams JI. (Harmonizing Research & Privacy: Standards for a Collaborative Future. Final Workshop Summary, Toronto, ON, May 2004)

GIS Workshops

An ArcGIS workshop was given by Charles Burchill in March 2005. The students were from MCHP, Manitoba Health and the Department of Community Health Sciences.

SAS Tutorials

The SAS Tutorials ranged from a beginning to an intermediate level and consisted of four half-day sessions; one in November 2004 and one in February 2005 (students came from the Department of Community Health Sciences, the Faculty of Management and the Western Regional Training Centre, as well as staff from MCHP, and Manitoba Health). This tutorial was taught by Charles Burchill and Shelley Derksen.

Statistics Workshop

The University of Manitoba held a Statistics Workshop in August 2004 jointly organized by Lisa Lix (MCHP) and Xikui Wang (Dept. of Statistics). Workshop topics included presentations by Lisa Lix on "Step-down tests for multivariate data" and "Robust step-down tests for multivariate independent group designs". Dan Chateau and Oke Ekuma presented on "Applications of hierarchical models to administrative health data". The workshop included roundtable discussions on current statistical topics, including longitudinal data analysis, methods for spatially correlated data, and current issues in analysis of administrative health data.

Visitors

The Mental Illness deliverable attracted the attention of Senator Michael Kirby, chair of the Standing Committee on Social Affairs, Science and Technology. The Committee is currently studying the issues surrounding mental health in Canada. Senator Kirby planned to visit in December to discuss the findings of the report, but he was waylaid by bad weather in the U.S. and met with Patricia Martens and other members of *The Need to Know* Team by phone instead.

Researchers Mark Stabile, Director of the Centre for Economics and Public Affairs at the University of Toronto and Philip Oreopoulos also from the University of Toronto visited the Centre in December. They were most interested in learning more about the work done at the Centre on socioeconomic status and childhood educational outcomes. They are looking at the relationship between socioeconomic status and early childhood health using administrative data in Ontario. Subsequent to these meetings Les Roos is collaborating with them on a project entitled "Understanding the Relationship Between Infant Health and Long-Term Socioeconomic Status."

Michel Brazeau, CEO of the Royal College of Physicians and Surgeons of Canada (RCPSC) and Stewart Hamilton, President of RCPSC, met with Pat Martens regarding the College's strategic directions in

relation to post-graduate education and health human resources. They were interested in obtaining a better understanding of the different provincial and regional perspectives in Canada, as they move their strategic directions from the planning to the action stage.

The Lieutenant Governor's Advisory Council on Disorders of Childhood Development, chaired by her Honour Lenore Berscheid, met with MCHP researchers in January 2005. The Lieutenant Governor requested the visit to learn more about child health research done at MCHP with their particular interest being Autism and Fetal Alcohol Spectrum Disorders. Marni Brownell gave a presentation highlighting aspects of data in the MCHP repository which would be helpful in exploring childhood disorders.

On March 15, 2005 Visiting Fulbright Scholar Michele Mekel presented findings of her comparative study of Canadian and American health policy research centres. The Canada-U.S. Fulbright Program is a joint, bi-national program supported by the Government of Canada through Foreign Affairs Canada and the Government of the United States through the United States Department of State. The Program strives to enhance understanding between Canada and the U.S. by providing grants to the best Canadian and American graduate students, faculty, professionals and independent researchers to conduct research, study or lecture in the other country. The study findings presented by Ms. Mekel showed MCHP as a leader in its area of expertise. *"In our recent study of Canadian academic health policy research centres, the Manitoba Centre for Health Policy was consistently cited by its peers as among the best-in-class centres for benchmarking purposes. MCHP was specifically recognized for its knowledge-transfer expertise,"* said Mekel.

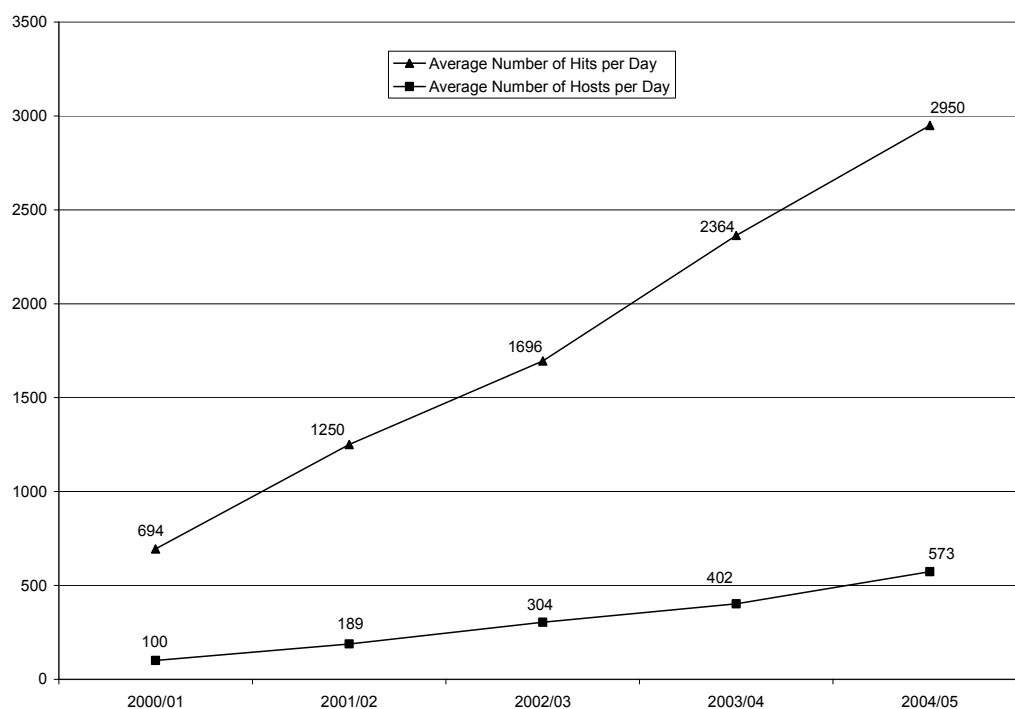
On November 11th, 2004 Dr. Peter Warrian, Managing Director of The Lupina Foundation, visited MCHP to obtain a hands-on look at what we do and determine research areas that his Foundation may be interested in supporting.

Website

MCHP's external website emphasizes content over technology in website development by cost-effectively combining functions. Documentation and dissemination overlap to keep marginal costs low as does the process of integrating this material with lectures and courses.

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, 2005 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 573 in 2004/2005. The actual number of hits/hosts in each month is available here:

http://www.umanitoba.ca/centres/mchp/access_record.

Research Resources

MCHP's emphasis on knowledge sharing and consistency in research design led to the development of a publicly-accessible, web-based knowledge repository (see <http://www.umanitoba.ca/centres/mchp/concept/>) in 1996. By making explicit the assumptions associated with use of each research measure, the repository tools encourage the use of standard terminology and methodology, help to preserve institutional knowledge, prevent duplication of effort, facilitate collaboration, and aid project management. They also enhance collaboration among researchers within a research unit and across centres using similar or identical technology.

The central component of MCHP's knowledge repository is the Concept Dictionary, which operationally defines key measures and terms used by health researchers working with administrative data. Organized alphabetically, the Concept Dictionary contains over 200 concepts. Concepts are process documents that describe how to calculate, validate, or define indicators and measures. They are developed directly out of Centre research projects and represent what programmers and researchers believe to be important for research continuity. Concepts include a brief definition of the term, descriptions of alternate formulations, and discussions of associated problems and analytic strategies. As much as possible, the SAS code necessary to implement the concept is also included. Further, each concept is cross-referenced to related concepts and other documents on MCHP's website, or external websites as appropriate. Contact information for local 'experts' and links to important references are also provided. To date, over 200 concepts have been documented, indexed, and linked.

A Glossary (<http://www.umanitoba.ca/centres/mchp/concept/thesaurus/thesaurus.glossary.html>) provides short definitions of important terms found in MCHP reports and publications. It facilitates navigation through the research terms and abbreviations found within the Concept Dictionary, making the Dictionary accessible to a wider audience. Each entry also includes hyperlinks to other related glossary terms, concepts, and references for key reports or papers. Students and website users who are not very familiar with health services and population-based research find the Glossary particularly helpful as they visit the website or read Centre publications. New terms are added to the Glossary as required whenever new reports are released from the Centre. A recent count identified over 1,200 Glossary entries.

In keeping with the nature of the Internet, the content and format of the Concept Dictionary and related tools are dynamic and they expand as working knowledge requires documentation. For example, the pharmaceutical data available in MCHP's Population Health Research Data Repository add an important dimension to Centre research and have great potential for creative analyses. To support such work, more extensive documentation was deemed necessary. Thus, preparing this documentation and incorporating it into the Concept Dictionary became a key project for the researchers and programmers most familiar with the data and for the Concept Dictionary project team. This work is near completion.

Usage statistics help MCHP set priorities for updating our online tools. For example, in response to these data and the need to keep web content current, the Medical/Research Definitions section was identified for 'renovations.' This section defines codes (i.e., ICD-9-CM, DRG, RDRG, CMG) for diagnoses, surgical procedures, and tests analyzed at MCHP. As much as possible, content generated directly from MCHP research is being re-located into the Concept Dictionary to maximize its utility. This move provides website users with more detailed descriptions of the methods necessary to implement these definitions and provides them with a contact name if they require further assistance.

Another related resource that has been well-received by researchers at the Centre and elsewhere is the Research Protocol (<http://www.umanitoba.ca/centres/mchp/protocol/index.shtml>). The Protocol facilitates the planning and carrying out of studies, addressing topics such as proposal preparation, project management, data analyses, and dissemination of results. It includes new material describing key steps in analyzing administrative data, while incorporating, as much as possible, links to information already existing in other locations on the MCHP website, such as the Concept Dictionary.

ADVISORY BOARD MEMBERS

The role of the Advisory Board is to develop a broad perspective on problems confronting our health system and potential solutions, 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, 2005.

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

Barry Garbutt, Dean, Applied Sciences, Red River College of Applied Arts, Science and Technology

Brian Hennen, MD, CCFP, Dean, Faculty of Medicine, University of Manitoba

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

Patricia Martens, PhD, Acting 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, Founding President, Canadian Institute for Advanced Research

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

Noralou P. Roos, PhD, Director Emeritus, Manitoba Centre for Health Policy; Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba

Pat Rowantree, Deputy Minister, Advanced Education and Training; Deputy Minister, Education, Citizenship and Youth, Province of Manitoba

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

Penny Sorensen, CEO, Assiniboine Regional Health Authority

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

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

Arlene Wilgosh, Deputy Minister of Health, Province of Manitoba

Debra Woodgate, Deputy Minister, Family Services and Housing, Province of Manitoba

FACULTY AND STAFF

Researchers and Senior Researchers

Marni Brownell, Senior Researcher
Dan Chateau, Researcher/Statistician
Carolyn De Coster, Acting Associate Director, Senior Researcher
Malcolm Doupe, Researcher
Greg Finlayson, Researcher
Shirley Forsyth, Researcher
Randy Fransoo, Researcher
Norm Frohlich, Senior Researcher
Alan Katz, Researcher
Anita Kozyrskyj, Researcher
Lisa Lix, Researcher
Patricia Martens, Acting Director, Senior Researcher
Nancy McKeen, Researcher
Colleen Metge, Researcher
Leslie Roos, Director, Population Health Research Data Repository, Senior Researcher
Noralou Roos, Director Emeritus, Senior Researcher
Evelyn Shapiro, Senior Researcher

Research Coordinators

Ruth Bond, Lead Research Coordinator
Ruth-Ann Soodeen, Research Coordinator

RBC Financial Group Research Fellows

Anne Guèvremont, RBC Financial Group Research Fellow
Doug Jutte, RBC Financial Group Clinical Research Fellow
Christine Schippers, RBC Financial Group Research Fellow

Systems Development, Programming, Security and Technical Support

Wendy Au, Programmer
Bogdan Bogdanovic, Systems Analyst
Charles Burchill, Senior Systems Analyst
Don Fotti, IT Support
Matthew Dahl, Senior Programmer
Shelley Derksen, Systems Analyst
Natalia Dik, Programmer Analyst
Oke Ekuma, Programmer Analyst
Leonard MacWilliam, Systems Analyst
Rod McRae, IT Coordinator
J Patrick Nicol, Systems Consultant
Heather Prior, Senior Programmer
Monica Sirski, Programmer Analyst
Carmen Steinbach, Programmer Analyst
Ken Turner, Senior Programmer
Randy Walld, Systems Analyst
Marina Yogendran, Systems Analyst

Finance and Research Support

Jo-Anne Baribeau, Research Support
Eileen Bell, Research Support
Theresa Daniuk, Research Support
Janine Harasymchuk, Research Support
Darlene Harder, Research Support
Linda Henderson, Finance Support
Phyllis Jivan, Research Support
Linda Kostiuk, Finance Support
Carola Lange, Finance Support
Shannon Lussier, Research Support

Administration

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

*Student Research Assistants**Continuing*

Jennifer Bodnarchuk, Elaine Burland, Jeremy Dacombe, Aynslie Hinds, Laurel Jebamani, Jennifer Magoon, Paul Willetts

Summer

Sam Kovnats, Jennifer O'Kell

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

Albert DeVilliers, MB.Ch.B, Medical Officer of Health, Burntwood Regional Health Authority

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

Betty Havens, DLitt, Professor and Senior Scholar, Department of Community Health Sciences, University of Manitoba; Research Fellow, Statistics Canada

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

Meir Kryger, MD, FRCP, 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, FRCP, 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

Jure Manfreda, MD, Associate Professor, Departments of Community Health Sciences and Internal Medicine, University of Manitoba

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

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

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

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

COMMITTEES

Marni Brownell

- Invited consultant, CIHR Canadian Lifelong Health Initiative, development of a Canadian Multi-generational birth cohort study, Toronto.
- Search Committee Member, Community Health Sciences Search Committee for Director of Manitoba Centre for Health Policy
- CIHR Doctoral Research Award Committee member, Canadian Institutes of Health Research
- Core Member, Canadian Institute for Advanced Research, New Investigators' Network
- Internal Advisory Committee member, Manitoba Health Injury Surveillance Report
- 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

- Clinical Practice Guidelines Committee, College of Physicians and Surgeons of Manitoba
- 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
- Health Information Technologist Advisory Committee, Red River College
- Hospital Abstract Users Group

Malcolm Doupe

- Member, Health Research Ethics Board, Faculty of Medicine, University of Manitoba
- Member, Research Committee, Department of Family Medicine, Faculty of Medicine, University of Manitoba

Greg Finlayson

- Director, Carolyn Sifton Foundation Inc.
- Coordinator, MCHP bi-weekly Research Forums
- 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 Accreditation Survey 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
- Economic Reviewer, Evaluation of the Canada Health Infrastructure Partnership Program
- Member, University of Illinois at Chicago Senate Budget and Planning Committee

Randy Fransoo

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

Norm Frohlich

- Member, Panel of SSHCR Research Grants Division
- Member, Dean's Advisory Council
- Member, Search Committee for the Warren Chair in Actuarial Studies
- Community Health Sciences Search Committee
- National Tri-Council Panel of Research Ethics

Alan Katz

- Manitoba Drug Standards & Therapeutics Committee
- Scientific Review Panel, Population Health Competition, Manitoba Health Research Council
- Alliance for the Prevention of Chronic Disease Resource Centre Steering Committee
- Urban Primary Care Oncology Network Advisory Board
- College of Family Physicians of Canada, Continuing Professional Development Committee
- Canadian Strategy for Cancer Control: Primary Prevention Action Group
- Medical Advisory Committee, St Boniface Hospital
- Medical Advisor to Manitoba Prostate Cancer Support Group
- Executive Management Committee, Department of Family Medicine, University of Manitoba
- Fiscal Committee, Department of Family Medicine, University of Manitoba
- Chair, Research Committee Department of Family Medicine, University of Manitoba
- Peer Review Panel, Manitoba College of Physicians and Surgeons (Licensing authority)

Anita Kozyrskyj

- Graduate Committee, Faculty of Pharmacy
- Manitoba Director, Western Regional Training Program in Health Services Research
- Executive Committee, Dept Community Health Sciences
- Non-thesis MSc Subcommittee, Dept Community Health Sciences
- Training Team, National Training Program in Allergy and Asthma
- Board Member, Canadian Association for Population Therapeutics
- Accreditation Review Subcommittee, Faculty of Pharmacy
- Research Review Committee, Heart and Stroke Foundation
- Scientific Review Committee, Health Sciences Centre Foundation
- Graduate Committee, Dept Community Health Sciences

Lisa Lix

- Health Information Standards Committee, Manitoba Health
- Manitoba Health Information Privacy Committee
- Canadian Institutes for Health Research, Health Services Evaluation and Interventions Research – A, Grants Review Committee
- Graduate Committee, Department of Community Health Sciences, University of Manitoba
- Executive Council, Department of Community Health Sciences, University of Manitoba
- Manitoba Health Hospital Abstract User Committee
- Visiting Scholar Series, Department of Community Health Sciences, University of Manitoba
- Member, Editorial Board, Journal of Modern Applied Statistical Methods
- Member, Editorial Board, Canadian Psychology journal

Patricia Martens

- Member of the Institute Advisory Board, Institute of Population and Public Health, CIHR
- Churchill Health Centre Task Force Ad Hoc Member
- Invitee to the consultation on Public Health Goals, chaired by Minister Theresa Oswald and the Honourable Carolyn Bennett.
- Health Promotion, Policy and Planning Advisory Committee (HPPAC) of the Heart and Stroke Foundation of Canada
- Manitoba Health: Maternal/Newborn Working Group – Data Group subcommittee
- National Centres of Public Health and Applied Research: Expert Advisory Group Member
- Member of the Peer Review Panel for Newfoundland/Labrador CAHR awards
- Member of the Graduate Studies Committee, Department of Community Health Sciences
- ACADRE Review/Advisory Committee (Aboriginal Capacity and Developmental Research Environments), through the Manitoba First Nations Centre for Aboriginal Health Research

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
- Research Advisory Committee, Institute for Health Economics, University of Alberta
- Tenure Promotion Review, University of Toronto

Noralou Roos

- Advisory Board Member, CIHR Project “Centering the human subject in health research: Understanding the meaning and experience of research participation.”
- Associate, Population Health Program, Canadian Institute for Advanced Research
- Advisory Board Member, Institute of Health Services & Policy Research
- Health Research Ethics Board, Faculty of Medicine, University of Manitoba

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 2004/05 totalled approximately \$1.86 million.

Manitoba Centre for Health Policy Yearly Budget – April 1, 2004- March 31, 2005

Salaries

Staff	1,229,093.65
Staff Benefits	171,510.98
Payroll Levy	26,764.86
External Contracts	84,477.90

Salaries Subtotal \$1,511,847.39

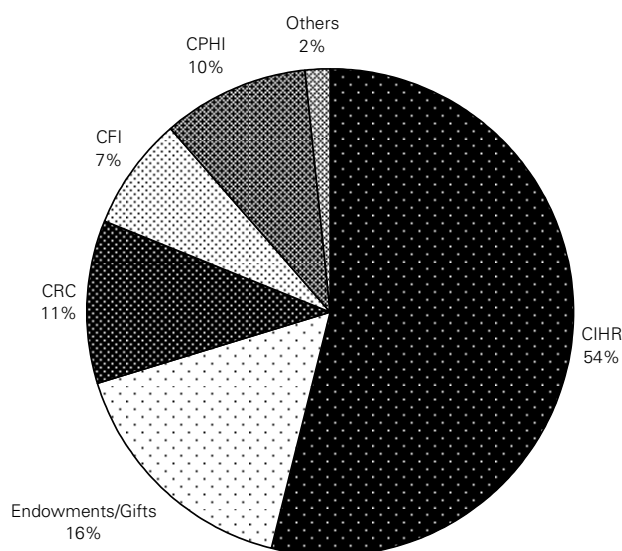
Other Expenditures

General Office Expenses	193,320.96
Equipment	
Purchases	107,012.71
Maintenance	10,058.59
Travel	27,760.35

Other Expenditures Subtotal \$338,152.61

TOTAL EXPENDITURES \$1,850,000.00

Revenue Awarded to MCHP for the 2004-05 Fiscal Year
(Personal Grants and Endowments/Gifts)



Endowments/Gifts:

Energy, Science and Technology Endowed Child Health Chair
 Evelyn Shapiro Award for Health Services Research
 RBC Financial Group Award for Research in Children's Health