



UNIVERSITY  
OF MANITOBA | Faculty of  
Medicine  
Community Health Sciences

# 2009/10 MCHP ANNUAL REPORT



## About the Manitoba Centre For Health Policy

The Manitoba Centre for Health Policy (MCHP) is located within the Department of Community Health Sciences, Faculty of Medicine, University of Manitoba. The mission of MCHP 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. Our researchers rely upon the unique Population Health Research Data Repository (Repository) to describe and explain patterns of care and profiles of illness, and to explore other factors that influence health, including income, education, employment and social status. This Repository is unique in terms of its comprehensiveness, degree of integration, and orientation around an anonymized population registry.

Members of MCHP consult extensively with government officials, health care administrators, and clinicians to develop a research agenda that is topical and relevant. This strength, along with its rigorous academic standards, enables MCHP to contribute to the health policy process. MCHP undertakes several major research projects, such as this one, every year under contract to Manitoba Health (MB Health). In addition, our researchers secure external funding by competing for research grants. We are widely published and internationally recognized. Further, our researchers collaborate with a number of highly respected scientists from Canada, the United States, Europe and Australia.

We thank the University of Manitoba, Faculty of Medicine, Health Research Ethics Board for their review of this project. MCHP complies with all legislative acts and regulations governing the protection and use of sensitive information. We implement strict policies and procedures to protect the privacy and security of anonymized data used to produce this report and we keep the provincial Health Information Privacy Committee informed of all work undertaken for MB Health.



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# MCHP VISION, MISSION & VALUES

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

## Vision

The Manitoba Centre for Health Policy sets the international standard for using population-based secondary data to create new knowledge that informs health policy, social policy and service delivery

## Values

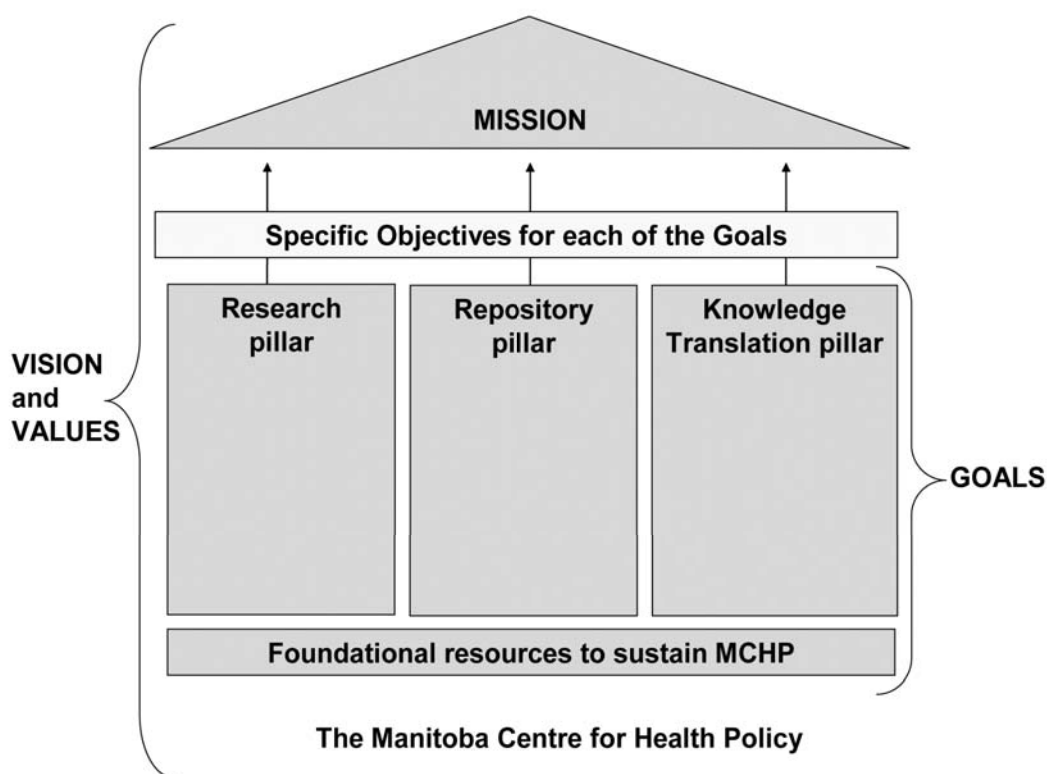
*Innovation and Excellence*

*Collaboration and Teamwork*

*Social Relevance and Stewardship*

## Mission

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



# MESSAGE FROM THE DIRECTOR



We went for the gold and we got it. The Manitoba Centre for Health Policy celebrated its 20th year in 2010 with an international conference we called “Going for the Gold.” On March 8 and 9 we hosted nearly 400 people from across Canada and the rest of the world with sessions

ranging from the application of administrative data in health and social policy research, child health, data linkage and knowledge translation. The conference highlighted the achievements MCHP has made in health services, and population health research — while looking to the impact this research will have in the future. While I realize the second point is somewhat intangible I’m still very excited to see how all of the work done at MCHP and similar research units will pan out and I hope we’ll find valuable nuggets in past and future research.

Besides the conference, another highlight to come out of MCHP this fiscal year is our Canada Foundation for Innovation award. In June, 2009 we learned that MCHP’s CFI application was successful. The “LEADERS” Initiative: Leading-Edge Access and Data Enhancement Research Strategy, builds on MCHP’s first CFI award, exactly a decade ago, that funded the construction of our data laboratory.

The MCHP LEADERS Initiative will allow us to expand the world-class data repository which is developed, maintained, and housed in our data laboratory and will help us with the infrastructure needed to support an additional 16 key databases such as justice, dentistry, and university datasets. The project will also transform scientists’ access to the data repository by developing and using Remote Access Sites (RASs), allowing researchers to securely use MCHP data from outside our existing space while maintaining our strict privacy standards. In the end, the expansion enables researchers to link population health with a wider range of social factors.

There are a number of individuals I wish to thank for their continued commitment and support. Please accept my apologies for anyone that may have been overlooked.

- Dean of Medicine, Dr. Dean Sandham
- Department Head for Community Health Sciences, Dr. Sharon Macdonald
- Members of our Advisory Board, especially our Chair, Dr. Brian Postl
- Minister and Deputy of Health, Theresa Oswald and Arlene Wilgosh
- Minister and Deputy of Healthy Living, Jim Rondeau (Keri Irvin-Ross) and Jan Sanderson
- Minister and Deputy of Education, Nancy Allan (Peter Bjornson) and Gerald Farthing
- Minister and Deputy of Family Services, Gord Mackintosh and Martin Billinkoff
- Minister and Deputy of Innovation, Energy and Mines, Dave Chomiak (Jim Rondeau), and John Clarkson
- Deborah Malazdrewicz, Executive Director of Health Information Management, Manitoba Health
- Healthy Child Manitoba, Jan Sanderson and Rob Santos
- Healthy Child Committee of Cabinet
- Numerous individuals who have provided input and feedback for our deliverables, especially those who have served tirelessly on our working groups or as part of deliverable research teams
- All MCHP research scientists and support staff who ensure the success of MCHP
- Members of the MCHP 20th Anniversary Conference committee, including co-chairs Alan Katz and Jack Rach, as well as the advisory committee

Sincerely,

A handwritten signature in black ink that reads "Patricia J. Martens". The signature is fluid and cursive, with a long, sweeping underline.

Patricia J. Martens

Director, Manitoba Centre for Health Policy;  
CIHR/PHAC Applied Public Health Chair; Professor,  
Department of Community Health Sciences, Faculty of  
Medicine, University of Manitoba

# 1.0 RESEARCH

## 1.1 Deliverables

The Manitoba Centre for Health Policy (MCHP) works under a five-year grant with Manitoba Health to produce five major research projects (called deliverables) annually, plus one knowledge translation event that ensures the research is understood by policy-makers and planners. These studies deal with health and social issues that can best be answered using data from the Population Health Research Data Repository which is developed, housed, and maintained at the MCHP data laboratory. Topics are jointly decided upon by MCHP's director and the Deputy Minister of Health.

All released deliverables, including the full reports, four-page summaries, and in some instances data extras, are freely available on the MCHP website: <http://umanitoba.ca/medicine/units/mchp/>

Below is a list of MCHP deliverables with status as of March 31, 2010.

### 1.1.1 Publicly Released Deliverables

**Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications** by Anita Kozyrskyj, Colette Raymond, Matt Dahl, Oke Ekuma, Jennifer Schultz, Marina Sklepowich, Ruth Bond (December 2009)

Prescription drug coverage policies vary widely across Canada and drug benefit managers are frequently searching for good quality evidence on real-world medication cost-effectiveness and safety, in order to make informed decisions on formulary listing policies. Manitoba Health offers a province-wide, income-based drug insurance program, according to a published list of prescription benefits in its Pharmacare Formulary that are reimbursed as open listing (Part 1), according to established criteria (Part 2) or with prior approval (Part 3). This MCHP deliverable evaluated the impact of Manitoba's Pharmacare Formulary policies and other societal factors on the utilization of prescription medications in Manitoba.

**Manitoba RHA Indicators Atlas 2009** by Randy Fransoo, Patricia Martens, Elaine Burland, *The Need To Know* Team, Heather Prior, Charles Burchill (September 2009)

This report provides information on population health status, healthcare use, and quality of care for residents of all 11 Regional Health Authorities of Manitoba. It includes 105 indicators using data for mortality, mental illness, physician and hospital services, home and personal care services, drug use, as well as other information that allows policy-makers to analyze the health of Manitobans. The results in this report from MCHP show that there continues to be a strong connection between socioeconomic status and health status. For example, residents of lower income areas have higher mortality rates and higher prevalence of physical and mental illness; they do however, receive more health care services, especially hospital care. At first glance, this indicates that the healthcare system is responding to the population's needs - those who are less healthy receive more care than those who are fortunate enough to be healthy.

**Composite Measures / Indices of Health and Health System Performance** by Colleen Metge, Dan Chateau, Heather Prior, Ruth-Ann Soodeen, Carolyn De Coster, Louis Barré (August 2009)

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, within the province of Manitoba there is no single measure that tells us what is happening overall for chronic diseases, waiting times, or patient safety? Indicators at the population/system-wide level would be useful for strategic planning and reporting. This project, constructs composite indicators that compare differences in healthcare delivery and health outcomes across Manitoba's Regional Health Authorities (RHAs) and Winnipeg Community Areas (CAs), and allow planners to track them over time. The findings suggest however, that the effort required to develop, validate, and update composite indices is disproportionate to the value of the information they yield.

### 1.1.2 Deliverables Presented to Manitoba Health

Deliverables at this stage are in final draft form and the findings are shared by the lead researcher with Manitoba Health. MCHP calls these delivered deliverables. MCHP then begins to revise the deliverables with input from external reviewers, working towards the final release versions.

**Physician Integrated Network (PIN) Evaluation** (PI: Alan Katz) (Due to be released: Summer 2010)

Long term implementation, evaluation and monitoring of the Physician Integrated Network (PIN) initiative will involve comparing changes in process and outcome indicators to a baseline of the same indicators over time. This will be essential in tracking practice changes in primary care consistent with the PIN objectives. This deliverable will build on the PIN initiative's Evaluation Framework and determine long-term indicators for future application.

This deliverable will establish baseline indicators. Key questions to be answered include:

- How comparable are the EMR and administrative data for data fields that are common to both data sources?
- What are the feasible indicators to track? (Both process and outcome indicators). These indicators will rely primarily on administrative data. As well, indicators using EMR data will likely be suggested once the reliability and availability of the EMR data have been assessed.
- What other indicators are desirable? What additional mechanisms over and above the current administrative (and EMR) data will be required to track these indicators?
- Over what timeframes indicators must be measured to demonstrate meaningful change?
- How can other variables (than the planned change in practice) be factored out?

This work will build on the preliminary profiles done as part of the early stages of PIN implementation.



**Profile of Metis Health Status and Healthcare Utilization in Manitoba: A Population-Based Study** (PI: Patricia Martens, Co-PI: Judith Bartlett, in collaboration with the Manitoba Metis Federation) (Due to be released: Summer 2010)

It is widely known that the health of aboriginal populations in Canada lags behind that of other Canadians. In 2002, the Manitoba Centre for Health Policy (MCHP) published a report titled *The Health and Health Care Use of Registered First Nations People Living in Manitoba: A Population-Based Study*. The research project demonstrated that Registered First Nations people have shorter life expectancy and higher morbidity than other Manitobans. However, little has been published on the health of Aboriginals who do not have Status, such as Metis. This study will provide indicators of health status and health services utilization for the Metis population of Manitoba. It is a collaborative study between Manitoba Health, MCHP and the Manitoba Metis Federation (MMF).

**Additional Resource Use by People Who Have a Chronic Disease** (Co-I: Greg Finlayson, Co-I: Evelyn Forget) (Due to be released: Spring 2010)

This report compares what it costs the province to provide healthcare to individuals with arthritis, asthma and chronic obstructive pulmonary disease (COPD), coronary heart disease, diabetes, and stroke with individuals who do not have the condition. Spending on average for all Manitobans without one of the chronic condition studied is about \$4,000 per person over two years. Spending on Manitobans with a chronic condition is from twice as much for asthma and COPD to six times as much for people who have had a stroke. The report also breaks-down costs by looking at physician services, inpatient and day surgery, hospital care, prescription drugs, home care and nursing homes for each of these conditions. One of the most interesting findings of this research is that after considering age, sex, and other influencing factors, people who were treated for similar conditions had different costs for healthcare depending upon where they lived. These differences are not caused by the actual cost of providing services because these values have been equalized - they're caused by using services differently.

### 1.1.3 Ongoing Deliverables

**Levels of Care for PCH Admission** (PI: Malcolm Doupe, Co-PI: Randy Fransoo) (Due to be released: Fall 2010)

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

**Evaluation of the Healthy Baby Program** (PI: Marni Brownell, Co-PI: Mariette Chartier) (Due to be released: Fall 2010)

In 2001, the Healthy Child Manitoba Office introduced the Healthy Baby Program to improve birth and early outcomes for infants born to low SES moms. The Healthy Baby Program consists of two components: a prenatal income supplement targeted at low-income women, and; community support programs available to all women, from the prenatal period through to an infant's first birthday. This report examines the uptake of the Healthy Baby Program and how uptake differs across socioeconomic status and geographic region; and the impact of participation in the Healthy Baby Program on prenatal care, birth outcomes and infant outcomes. Outcomes analyzed include adequacy of prenatal care, birth weight, gestation, feeding status (breastfed or not), Apgar scores, hospitalizations in the first year, immunizations in the first year, and continuity of care.

**Obesity and Healthy Living** (PI: Randy Fransoo, Co-PI: Patricia Martens)

Obesity is a major public health concern. The association of obesity with a variety of risk factors related to nutrition, physical activity and social determinants of health has been well documented in the literature. Health care providers are already observing an increase in the incidence of chronic diseases (such as diabetes and hypertension) directly resulting from the increased prevalence of obesity in the population. In order to develop effective policy and intervention programs for obesity and related chronic diseases (including diabetes) information on risk and preventive factors related to obesity is crucial. Potential factors of interest are those shared by successive cycles of the cross-sectional component of the National Population Health Survey (1994, 1996, 1998) and in specific cycles of the Canadian Community Health Survey (2000, 2003, 2005). Risk/preventive factors may be drawn from broad themes such as alcohol use, body image, selected chronic conditions (e.g. diabetes, hypertension), food insecurity, health care utilization and access, mental health, nutrition, physical activity, smoking, preventive health behaviours, socio-demographic factors, and stress (e.g. mastery, self esteem, self-perceived stress). Associations between levels of BMI and risk/preventive factors may be examined using odds ratios, regression models, and other approaches. The scope of the deliverable is to include the analysis of provincial trends over a 10-year period (utilizing the 1995-2005 individual survey cycles), as well as the analysis of regional differences utilizing the combined cycles of the CCHS.

**Early Development Instrument (EDI)** (PI: Rob Santos, Co-PI: Marni Brownell)

This deliverable will focus on the Early Development Instrument (EDI), a population-based, community-level measure of children's development (physical, social, emotional, language, and communication), at the transition to school entry in Kindergarten (age 5 years). The EDI is collected province wide by all Manitoba public school divisions on behalf of the Healthy Child Manitoba Office (HCMO). This deliverable will build on previous and current MCHP deliverables, and research related to children (e.g., child health atlas, SES and educational outcomes, inequalities in child health, vulnerable children). It will include descriptive, correlational, and regression analysis using the EDI, such as SES gradients in EDI outcomes, predictors of EDI outcomes, and EDI trends over time. Analyses will focus on both the population level as well as vulnerable subgroups of children.

**Assessing the Value of the Manitoba Housing Data** (PI: Greg Finlayson, Co-PI: Mark Smith)

Housing is well understood to be an important determinant of health. The Province of Manitoba, through Manitoba Family Services and Housing, Manitoba Housing and Renewal Corporation and the Manitoba Housing Authority, has data about Manitobans who receive subsidized housing support. These datasets have been recognized as potentially very valuable sources of information to inform population health assessment and program planning and evaluation. This deliverable will involve the transfer of de-identified housing data sets to MCHP for the purpose of assessing the quality and usefulness of the data. The deliverable will produce a limited set of analyses demonstrating the analytic and research potential of Manitoba's housing data.

**Exploring the ICU Datasets: A First Look** (PI: Allan Garland, Co-PI: Randy Fransoo)

Hospital care is the largest component of health resource use in the developed world, including Canada. It is widely believed that a large portion of hospital resources goes to caring for critically ill patients in Intensive Care Units (ICUs). The demand for ICU care is projected to rise as the population ages. However, there are no reliable, population-based data addressing care of the critically ill in Canada, or anywhere else. The two goals of this deliverable are to create the tool needed to accurately analyze critical care in Manitoba, and to begin those analyses. This tool will arise from merging two existing, population-based, ongoing, health care databases currently supported by Manitoba Health & Healthy Living: (a) the clinical Manitoba ICU database (MICUDB) held by the Division of Critical Care Medicine at the University of Manitoba, and (b) the Population Health Research Data Repository (Repository) held by the Manitoba Centre for Health Policy.

**Manitoba Immunization Study** (PI: Tim Hilderman, Co-PI: Alan Katz)

There are now several years of data reflecting the efforts to reach high-risk groups - the elderly and those with chronic disease - through the adult influenza and pneumonia immunization program. Given this, it is possible to look at the coverage and impact of the immunization program. This deliverable would choose a subset of immunizations for adults and children (e.g., pneumonia and influenza; Hib and pertussis) and seek to more fully understand the scope and implications of coverage. The deliverable could ask questions such as:

- What is the MIMS data (as it exists today) telling us about coverage of target populations and outcomes? What health and health system outcomes are Manitoba's immunization programs having? Reduced mortality and morbidity? Reduced or increased health services utilization? Examples: Fewer hospitalizations? Longer lengths of stay in personal care homes?
- What is potential power of the MIMS data, when linked with other administrative data, to conduct very sensitive adverse outcome analysis for rare events, which might be used to conduct vaccine safety analysis/research?
- How complete are children's MIMS data compared to the IMPACT database from the Health Sciences Centre?
- What are the implications of known data gaps in MIMS and which of those gaps might be most important to address from an outcomes, surveillance and research perspective?

There is an ongoing national initiative to examine adverse outcomes of flu immunization. This deliverable could be integrated into a Manitoba provincial/national initiative in the area of adverse outcomes.

**Profile of Immigrant Health Status and Health Care Use Patterns** (PI: Bosu Seo, Co-PI: Randy Fransoo)

According to a recently released Statistics Canada report, 1 in 5 Canadians is an immigrant today, a proportion unequalled since the 1930s when the country's population had grown with waves of emigrating Europeans. Now, the newcomers are more likely to be speaking Chinese. The number of immigrants in Manitoba has doubled between 2001 and 2006 over the previous four years. Filipinos continue to lead the immigration to Manitoba but there are also substantial numbers from India, China and Germany.

MCHP has been made aware of the potential of a federal immigration database linkage to Manitoba Health & Healthy Living data. Discussions with some of the RHAs (including South Eastman RHA) have indicated the need for exploring the issue of immigrant health status, due to a high proportion of incoming immigrants to these regions. The national agency and Health Canada have been involved in the linkage of the immigrant dataset to three other provincial health data, and negotiations could begin to do a similar linkage in Manitoba. This deliverable would facilitate the linkage and would investigate preliminary patterns of health and health care use of immigrants compared to other Manitobans.

**The Francophone Health and Health Care Use Atlas** (PI: Mariette Chartier, Co-PI: Greg Finlayson)

According to the 2006 Census, 46,000 Manitobans' mother tongue is French and close to 104,000 Manitobans (9%) are bilingual. In recent discussions with Manitoba Health & Healthy Living, Health Information Management, Community Health Assessment Unit, and the Francophone community, the importance of an RHA Indicators Atlas type of deliverable focusing on Francophones living in Manitoba was discussed. Indicators will be selected to mirror previous work at MCHP, including the RHA Indicators Atlas Update. Extensive work will be required to identify "Francophone" populations in the administrative databases using linkages with the Canadian Community Health Survey. This deliverable would assist in laying the foundation for planning initiatives both provincially and at the RHA level.

**Perinatal Services and Outcomes in Manitoba** (PI: Maureen Heaman, Co-PI: Malcolm Doupe)

Further analyses are necessary to expand on the descriptive analyses done by the Ministerial Working Group on Maternal / Newborn Services in 2005 and to support the current work of the Maternal and Child Health Services (MACHS) Taskforce and the ongoing focus of the Healthy Child Committee of Cabinet (HCCC) on early childhood development. General rates of full-term and pre-term births, stillbirths, and neonatal death rates should be measured and compared across regions of Manitoba and subsequently compared to national rates. A more in depth analysis of the demographic characteristics of women giving birth in Manitoba, the types of deliveries they are experiencing (ex. caesarean section vs. vaginal delivery), the types of anesthesia utilized, and the rate at which women are induced, should be examined. Also, the place of birth (home vs. hospital), and the type and location of the hospital (relative to the mother's region of residence) should be further described, as well as consideration of key perinatal risk factors (ex. alcohol use during pregnancy).

**Pharmaceutical Use in Manitoba: Opportunities to Optimize Use** (PI: Colette Raymond, Co-PI: Colleen Metge)

This deliverable will focus on four areas of pharmaceutical use in Manitoba with the objective of exploring opportunities for intervention to optimize that use. It will include an in depth exploration of the usage and prescribing patterns of each -area with a view to understanding the potential factors influencing use from multiple perspectives. The four areas are:

- Psychoactive drug use in the elderly focusing on the use of the atypical anti psychotics.
- Benzodiazepine in both personal care homes and the community.
- Drugs used to treat asthma and COPD in adults focusing on combination drugs.
- Drugs used to treat diabetes mellitus, and biologic agents.

The analyses will explore the factors impacting on usage including but not limited to the following:

- Patient characteristics: region, socioeconomic status, age, gender, co-morbidity, doctor and pharmacy “shopping.”
- Provider (initiator of the drug) characteristics: specialist status, country of training, group vs solo practice, continuity of care in practice, funding mechanism.
- Policy environment: Propriety vs non-propriety personal care home, access to pharmacy professionals; and – Pharmacare reimbursement policy.

**Exploring the Relationship between Housing, Mental Health and Other Health and Social Factors**

(PI: Mark Smith, Co-PI: Greg Finlayson, Co-PI: Pat Martens)

This deliverable will link the Manitoba Housing data at MCHP with mental health and other datasets to explore the relationship between housing, mental health and other health and social factors. It will be used to inform policy discussions and the development of policies and programs related to the homeless and other disadvantaged populations. It is understood that this deliverable is contingent upon the acquisition and validation of Manitoba’s housing data.

**Health Inequities in Manitoba: Is the Socioeconomic Gap Widening or Narrowing Over Time?** (PI:

Patricia Martens, Co-PI: Marni Brownell)

This deliverable will provide information on approximately 15 key indicators of health status, over time and by a measure of socioeconomic status (income quintiles). The purpose of this deliverable is to provide useful information for various government reports on the health status of Manitobans in 2010 which may also assist in laying some foundational work for further work on inequities. Selection of indicators will be guided by the Sir Michael Marmot WHO report on “Closing the Gap in a Generation” (Commission on Social Determinants of Health, 2008). The income quintile information will provide insight both into SES status and health behaviours by derivation of information from Census descriptions.

## 1.2 Other Research

### 1.2.1 Research in Children's Health and Wellbeing

MCHP's research into children's health and wellbeing remains in the forefront — with a focus on at-risk kids, inequalities and socioeconomic status and several reports, journal articles, have been published. The funded grants and projects listed below have allowed MCHP to expand its data capabilities and broaden collaborative partnerships on the global stage.

#### Ongoing Research Projects

##### *Investing in At-Risk Kids*

Drs. Noralou Roos and Marni Brownell have used population-based data from the Manitoba Departments of Health, Healthy Living, Youth & Seniors, Education and Family Services and Consumer Affairs to investigate the outcomes for at-risk children. They are also investigating why some children succeed in school and life despite being at risk. This research has garnered international attention.

During the past year they presented this research to the following groups:

**Local and national government:** Royal Society of Canada, Academy III Reception, Ottawa, ON, (November 29/09); Deputy Ministers of Social Services Meeting (November 23/09); Provincial Healthy Child Advisory Committee Meeting (October 7/09); Manitoba Department of Education (March 18/09);

**International:** Australian Government, Department of Education Employment and Workplace Relations, Canberra (September 7/09); Office of Early Childhood, Education and Child Care, Canberra, Australia (September 7/09); San Francisco General Hospital Pediatric PLUS Grand Rounds, San Francisco, CA (April 21/09);

**Other:** MCHP 20th Anniversary Conference (March 9/10); Child Health Quality Council Meeting, University of Manitoba (February 3/10); Manitoba Education Research Network Winter Forum (January/09); Pediatric Grand Rounds, Hospital for Sick Children, Toronto (October 21/09); ICES Rounds, Toronto (October 20th and December 8/09); The Early Imperative Conference, Winnipeg (November 18/09); Hospital for Sick Children, Toronto (December 7/09); Canadian Public Health Association Annual Conference, Winnipeg (June 10/09); Manitoba Children and Youth Health Data Seminar: A "Manitoba Children's Agenda" Event, Winnipeg (March 6/09).

##### ***The Research***

The research tracked 11,703 children—all those born in Manitoba in 1984 and 1985—who still lived in Winnipeg when they turned 18. The factors that were associated with poor future success of those young people included:

- being in a family that had at some point received income assistance (a measure of poverty)
- being a child whose mother was a teenager when her first child was born
- being a child who spent some time in the foster care system, or under the protection of Manitoba Family Services

Innovative policy options and programs targeting children and youths at risk are required to help break the cycle of risk. Further research continues as MCHP Senior Research Scientists Drs. Noralou Roos, Marni Brownell, Leslie Roos and their collaborators at University of California, Columbia University, University of Toronto and University of Alberta conduct ongoing analyses on these datasets. Researchs also work closely with the United Way of Winnipeg and the International



Institute for Sustainable Development to develop indicators to monitor key population outcomes for the City of Winnipeg, building on the implications of this research.

#### Collaboration with Dr. Douglas Jutte, University of California, Berkeley

The collaboration with Dr. Doug Jutte began with the project, **“The Apgar Score as an Early Measure of Resilience.”** This research program focused on two main areas: the first compares the associations of two groups of child health predictors (Apgar scores, birth weight, prematurity; socioeconomic status, maternal age, unmarried parents) to later outcomes, such as hospitalization and educational performance. The second examines the association between Apgar scores and long-term risk of mortality or hospitalization. A manuscript from the second project has been submitted to *Paediatric and Perinatal Epidemiology*. This research then broadened to other areas. For example, a manuscript was recently published (Jutte D, Brownell M, Roos NP, et al, “Rethinking what’s important: Biological versus social predictors of childhood health and educational outcomes,” *Epidemiology*, 2010). A paper focusing on social, educational and medical outcomes for children of teen and prior teen moms has been submitted to *Academic Paediatrics*, and an invited paper on administrative record linkage as a tool for public health research will be submitted to the *Annual Review of Public Health*. Dr. Jutte will continue his work with Drs. Brownell, N. Roos and L.L. Roos on future publications and presentations.

#### Manitoba/Australia Ongoing Collaboration:

The relationship between MCHP and the Telethon Institute for Child Health Research in Perth, Australia began in 2004 when Professor Fiona Stanley visited MCHP as an RBC Financial Group Visiting Chair. A subsequent group from Winnipeg (N. Roos, M. Brownell and 3 others) travelled to Perth for a week to the Telethon Institute as part of a CIHR International Opportunity Grant. The collaboration has brought together two groups with an unusually rich population-based administrative data infrastructure, to build a program of collaborative research focusing on the health and well-being of children. Currently, Winnipeg and Perth house the leading experts of two of the cutting-edge data linkage centres in the entire world with data linkage capabilities at the population health level across multiple datasets and years.

#### Recent Updates

- Drs. Noralou and Les Roos visited Australia in September, 2009. Les provided consulting services and Noralou gave a mentorship presentation in Sydney, presented a lecture to the Australian Government and spoke at a workplace / roundtable event in Canberra.
- Another active project is the **“Cross Country Comparison Project (Monitoring the Tip of the Iceberg) Comparing Child Injury and Maltreatment Hospital Data at a Cross-Country Level.”** Dr. Marni Brownell and Melissa O'Donnell (Telethon Institute for Child Health Research) have invited a researcher from the UK, Dr. Ruth Gilbert, to join the group. For several months they have exchanged information about data similarities, and recently, Dr. Gilbert has been commissioned by *The Lancet* to do a paper on trends in child maltreatment and upon the request of Dr. Gilbert, Dr. Brownell will contribute to the project titled, **“Child Maltreatment in Manitoba: Using Hospital Discharge and Child Protection Data for International Comparisons of Trends.”** Researchers from the UK, US, Australia, New Zealand, Sweden and Canada are also involved.

- In March, MCHP had the pleasure of hosting Professor Fiona Stanley, Director of the Telethon Institute for Child Health from Sydney, Australia. Prof. Stanley presented a noon departmental colloquium entitled **“Research for Children in a Complex World – Epidemiology for Effective Prevention.”** She also met with the Deputy Ministers of Education, and Healthy Living, Youth and Seniors; Dr. Clyde Hertzman, Director, Human Early Learning Partnership, UBC; Dr. Sharon Macdonald, Head, Dept of Community Health Sciences; Connie Walker, VP, Community Relations & Capacity Building, United Way of Winnipeg; Laszlo Pinter, International Institute for Sustainable Development (IISD); Dr. Brenda Elias, Co-Director, Centre for Aboriginal Health Research; and Harry Finnegan, Managing Director of the Winnipeg Poverty Reduction Council.
- Also in March, Dr. Jane Freemantle, Principal Research Fellow from the Centre for Health and Society, Melbourne School of Population Health, University of Melbourne visited MCHP. Dr. Freemantle presented a departmental colloquium on March 12th entitled **“Indigenous Child Health in the Early Years: Making the Invisible, Visible.”** Dr. Freemantle also met with several researchers at the University of Manitoba and others in the provincial government.

#### Grant Funded Research:

**Enhancing Surveillance of Pervasive Developmental Disorders in Canada.** (Ouellette-Kuntz H, Brownell M, Shoostari S). Funded by: The Public Health Agency of Canada.

**Monitoring Early Literacy Intervention in Manitoba.** (Brownell M, Roos N). Funded by: Manitoba Education, Citizenship and Youth.

**The Health of Canadian Caregivers: Using Administrative Health Services Data to Understand the Determinants of the Health of Caregivers of Children with Chronic Health Problems.** (Brehaut J, Kohen D, Rosenbaum P, Miller A, Lach L, Brownell M, McGrail K, Garner R, Arim RG, Guevremont A). Funded by the Canadian Institutes of Health Research.

**Combining Clinical Data on Fetal Alcohol Spectrum Disorder (FASD) With Administrative Data on Health, Education and Social Services: Exploring the Feasibility of Using Administrative Data to Identify Children with FASD.** (Brownell M, Hanlon-Dearman A, Chudley A, Longstaffe S, Lix L, Roos N, Ridd D). Funded by the Manitoba Centre for Health Policy.

**Combining Clinical Data on Fetal Alcohol Spectrum Disorder (FASD) With Administrative Data on Health, Education and Social Services: Analysis of Service Utilization.** (Hanlon-Dearman A, Brownell M, Chudley A, Longstaffe S, Lix L, Roos N, Ridd D). Funded by: the Manitoba Institute for Child Health and the Manitoba Medical Services Foundation.

**Morbidity and Mortality of Children and Adolescents in the Child Welfare System.** Katz LY (PI), Roos N, Brownell M, Martens P, Enns MW, Kozyrskyj A, Elias B, Sareen J. Funded by the Winnipeg Foundation and the Health Sciences Centre Foundation, Winnipeg.

**The Interplay between Maternal Distress and Addiction on the Development of Childhood Asthma and Allergic Disease.** (Kozyrskyj A, Chartier M, Brownell M, Becker A). Funded by the Norlien Foundation, Inc.



**Maternal Distress and the Development of Atopic Disease in Children: Potential Pathways and Intervention.** (Kozyrskyj A, Chartier M, Brownell M, Becker A, Letourneau N, Mandhane P). Funded by AllerGen NCE Inc. (Allergy, Genes, and Environment Network).

**Review of the Use of Mood and Behaviour Changing Medications in Children- and Youths-in-Care.** (Brownell M, Ambtman, R). Funded by: The Office of the Children's Advocate and CANManagement Consulting.

**Early Identification of Families with Young Children at Risk: Evaluating a Public Health Screening Measure through the Use of NLSCY Data.** (Dahinten SV, Arim R, Brownell M). Funded by the Canadian Institutes of Health Research.

**Economic Impact of Children in Care with FASD.** (Fuchs D, Burnside L, DeRiviere L, Brownell M, Marchenski S, Mudry A, Dahl M). Funded by the Public Health Agency of Canada.

**Child Maltreatment in Manitoba: Using Hospital Discharge and Child Protection Data for International Comparisons of Trends.** (Brownell M, Gilbert R (University College London, UK), O'Donnell M (Telethon Institute for Child Health Research, Australia). Funded by the Manitoba Centre for Health Policy.

**Predictors and Outcomes of Prenatal Care: Vital Information for Future Service Planning.** (Heaman M, Martens PJ, Brownell MD, Helewa ME). Funded by the Canadian Institutes of Health Research and the Public Health Agency of Canada.

**OSPREE: Building Capacity for Research to Improve Health Services for Mothers, Babies and Children.** (Jorm L, Roberts C, Preen D, Simpson J, Moorin R, Haines M, Bambrick H, Holman C; Mentor: Roos, NP. Funded by: The National Health and Medical Research Council (Government of Australia).

**Child Health and Socioeconomic Status: A New Approach.** (Roos LL, Stabile M, Currie J, Roos N, Fransoo R, Seo B). Funded by: Partnership for America's Economic Success, SSHRC, CIHR, CIAR and the Manitoba Centre for Health Policy.

**The Manitoba 10 Year Birth Cohort – Studying Long Term Outcomes Using Linked Databases.** (Roos LL, Currie J, Stabile M, Oreopoulos P). Funded by Partnership for America's Economic Success, SSHRC, CIHR, CIAR and the Manitoba Centre for Health Policy.

**Trajectories in Health and Use of Health and Social Services by Children with Developmental Disabilities: A Population-based Longitudinal Study.** (Shooshtari S, Yu CT, Brownell M, Martens PJ, Mills R). Funded by: The Manitoba Health Research Council.

**Success Despite the Odds: Identifying Factors that Promote Educational Success in High-Risk Adolescents.** (Roos N, Brownell M, Roos L). Funded by the Social Sciences and Humanities Research Council.

### New Funding Applications:

**KT Synthesis for the Canadian Institute of Child Health Online Profile: Children and Youth in the Health Care System.** (Guttman A, Barwick M, Brownell M, Cohen E, Hanvey L, Booth M, Manion I, Moore C, Reisman J). Submitted to: The Canadian Institutes of Health Research.

**Approaching Information-Rich Environments More Effectively: Analysis, Linkage and Virtual Cohorts.** (Roos LL, Bolton J, Forget E, Roos N, Sareen J, Strohschein L) Submitted to: The Canadian Institutes of Health Research.

### Student Update:

**Chelsea Ruth** recently received her MSc degree—thesis title: The Influence of Socioeconomic Status on Morbidity in Late Preterm Infants.

**Brenda Comaskey**, PhD candidate—thesis topic: Maternal depression and early childhood education outcomes.

**Lauren Yallop**, PhD candidate—thesis topic: Attention-Deficit/Hyperactivity Disorder in Manitoba Adults: A Population-Based Study.

**Janelle de Rocquigny**, MSc candidate—thesis topic: Francophone children in Manitoba.

**Deepa Singal**, PhD candidate—thesis title: Investigating the Economic Impact of Fetal Alcohol Spectrum Disorder in Manitoba

## 1.2.2 The Lupina Foundation Project

In 2005, The Lupina foundation provided funding over five years to the Manitoba Centre for Health Policy to support web-based research and knowledge transfer. Under the leadership of Patricia Martens, Leslie Roos, Lisa Lix, and Mark Smith, this funding builds on the existing web-based knowledge transfer activities of MCHP. The gift covers five project areas including: ICD-10-CA/CCI, DPIN, Costing, Social Concepts, and Dissemination. As part of the project, extensive reviews and updates have been made to the MCHP online resources, such as the Glossary and the Concept Dictionary.

**Transition to ICD-10-CA/CCI:** Documentation was developed to facilitate the transition to the recently-implemented International Classification of Diseases (Canadian)/Canadian Classification of Interventions coding scheme. Cross-provincial comparability of diagnosis-based and prescription drug-based measures of comorbid health conditions is also being investigated as part of this project in chronic disease populations. Based on the MCHP report by Lix et al. **“Defining and Validating Chronic Diseases: An Administrative Data Approach – An Update with ICD-10-CA”**, existing concepts were updated for ascertainment of cases in administrative data for the following chronic diseases: asthma, arthritis, coronary heart disease, diabetes, hypertension, irritable bowel syndrome, stroke. Lisa Lix also completed a project with researchers from the Health Quality Council in Saskatchewan to evaluate the performance of several comorbidity risk-adjustment tools in chronic disease populations, including populations with diagnosed diabetes, hypertension, and osteoporosis.

**Prescription Drug Documentation:** An updated DIN (Drug Identification Number) Master file was completed for use by researchers to carry out pharmacoepidemiologic population-based longitudinal analyses of utilization, appropriateness and effectiveness of drugs. Based primarily on the Drug Product Database (DPD) maintained by Health Canada, value-added pieces now include – in one

longitudinal file – Carrier listings specific to the Province of Manitoba; Anatomical Therapeutic Chemical Classification (ATC) codes and defined daily dosages (DDD); and standardized drug strength values.

Methods for Costing Provincial Health Services: Concepts to facilitate the understanding of complex methodologies related to costing infrastructure are important for monitoring longitudinal trends and conducting interprovincial comparisons. Extensive work took place on a new concept describing the most current methods of estimating the costs of health services in Manitoba over time, providing some historical information about cost methodologies.

**Social Determinants of Health:** The Concept Dictionary continued to expand as a key research resource, becoming increasingly interconnected with other MCHP research resources such as the Glossary and documentation related to databases. Development of these resources over the past few years, in recognition of the multiple conditions affecting the health of both individuals and communities, has increasingly focused on methods for measuring the social determinants of health. More concepts were developed and added to the Concept Dictionary documentation to describe methods for measuring the social determinants of health, such as family structure and level of education.

**Dissemination and Evaluation:** MCHP research scientists and staff regularly participate in local, national, and international meetings to spread the word about the value of the Concept Dictionary. Recent highlights include:

- **Infrastructure for Sharing Knowledge.** This collaboration consisting of researchers, analysts and data managers from data repository centres across Canada and representatives from organizations such as the Public Health Agency of Canada and Statistics Canada met twice during the 2009/10 fiscal year. The inaugural meeting, initiated by Mark Smith, took place in Ottawa in September 2009, and a second meeting was held following the MCHP 20th Anniversary Conference (March 8-9, 2010) in Winnipeg. The aims of the group are to define excellence in documentation for administrative data, develop common tools for documentation, facilitate communication between research centres, develop enhanced data quality practices, and to share these tools. Improving data quality and enhancing the ability to collaborate inter-provincially on research projects are related objectives.
- **Work was carried out on several evaluation projects this past year.**
  - **Evaluation of the Research Resources website.** This three-phase project was completed by Probe Research Inc., an independent research organization. Information gathered from a review of website utilization statistics, an on-line survey, and key informant interviews was used to support changes in website content and structure.
  - **Qualitative Case Study Evaluation.** This project is a qualitative evaluation of factors that have contributed to MCHP's success in an environment of academic rigor and policy relevance, including the challenges MCHP has faced and the opportunities that were embraced in order to flourish. Gail Marchessault recently completed "The Story of the Manitoba Centre for Health Policy: 1991-2010," largely based on an analysis of transcripts of 29 in-depth interviews with people involved with MCHP over the past 20 years and prior to its establishment. Chapters include an introduction, a short biographical note on the founding directors and excerpts from their interviews, 15 interviewee summaries, comments from staff interviews and questionnaire responses, a time-line highlighting key events, a Photo Gallery and a summary of major themes regarding challenges and enabling factors. The report of the organizational case study will be posted on MCHP's website.

- Research Impact Project - Investigators who have used Repository data will be invited to participate in a survey to note where their research may have had an impact in areas such as policy and planning, clinical practice, research methods, and training/education. They will also be requested to confirm MCHP records of the publications and other outputs associated with their studies. Routine collection of information on the impact of studies carried out using the Population Health Research Data Repository housed at MCHP information will enable MCHP to generate reports demonstrating in quantifiable form the contributions of research carried out using the Data Repository.

### 1.2.3 MCHP Administered Research Grants

#### Canada Foundation for Innovation

Martens PJ. \$1,453,780 (CFI); \$1,453,780 (MRIF): 2010 – 2014. MCHP's LEADERS Initiative: Leading-edge access and data enhancement research strategy.

#### Canadian Institutes of Health Research

Katz A, Martens, PJ. \$20,000, 2009-2010. "The Manitoba Centre for Health Policy 20th Anniversary Conference" sponsorship.

Martens PJ. CIHR/PHAC Applied Public Health Chair. \$925,000, 03/2008-02/2013. "What works at the population level? An Applied Public Health Chair program of research focusing on population & public health issues."

Martens PJ, Fransoo R. \$15,000; 2008 – 2009. Building on Strength: Brainstorming the next research project for The Need To Know Team.

Martens, PJ. Fransoo R, Malazdrewicz D, Erickson T, Lockhart S. \$15,000, 2008-2010. "Building on Strength: Brainstorming the next research project for The Need to Know Team."

Roos LL, Forget E, Katz A, Kozyrskyj A, Menec V. \$100,000, 2007–2010. "Avoiding Hospitalization: Ambulatory Care Sensitive Conditions, Quality of Care, and Socioeconomic Status." Matched grant with Manitoba Health Research Council.

Roos NP, Martens PJ, Cassels, AK, Hirst N, Driedger SM, Katz A, et al. \$467,800, 2009-2013. "Injecting evidence into Health Policy Coverage: 'KT'ing the Mythbusters." Matched grant with Manitoba Health Research Council.

#### Manitoba Education, Citizenship and Youth

Brownell M, Roos NP. \$40,000, 2009-2010. "Monitoring Early Literacy Intervention in Manitoba" contract.

#### Manitoba Health

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

#### Manitoba Health Research Council

Doupe M, Martens PJ, Kozyrskyj A, Strang D, Lamont L, Whitbread L. \$112,850, 2007–2010. "Performing Activities of Daily Living Tasks: Determining why some nursing home residents experience declines in function"

Roos LL, Forget E, Katz A, Kozyrskyj A, Menec V. \$100,000, 2007–2009. "Avoiding Hospitalization: Ambulatory Care Sensitive Conditions, Quality of Care, and Socioeconomic Status". Matched grant with Canadian Institutes of Health Research.

Roos NP, Martens PJ, Cassels, AK, Hirst N, Driedger SM, Katz A, et al. \$467,800, 2009-2013. "Injecting evidence into Health Policy Coverage: 'KT'ing the Mythbusters." Matched grant with Canadian Institutes of Health Research.

#### Public Health Agency of Canada

Smith M, Kozyrskyj A, Puchtinger R. \$8925, Feb – March 2010. "Asthma and COPD in Canada: Testing feasibility of revised case definitions (Manitoba)" contract.

Smith M, Fransoo R, Puchtinger R. \$9900, Jan – March 2010 "Examining the feasibility of using administrative data for cardiovascular disease surveillance in Manitoba" contract.

Smith M, Fransoo R, Puchtinger R. \$9990, Mar – May 2010. "Examining the feasibility of using administrative data for stroke surveillance in Manitoba" contract.

#### Social Sciences and Humanities Research Council of Canada

Roos NP, Brownell M, Roos LL. \$103,097, 04/2007–04/2010. "Success Despite the Odds: Identifying Factors that Promote Educational Success in High-Risk Adolescents"

#### Tui'kn Partnership

Smith M, Baltes J. \$23,065, 2009 – 2010. "Telling our stories: Quantifying, documenting and articulating First Nations health information needs" contract.

### 1.2.4 Other Research Grants Accessing the Repository

*These projects are not run financially or administratively through MCHP and may access data from other sources in addition to the Population Health Research Data Repository. They represent research from MCHP core scientists or external researchers using data from the Repository. (Listed in alphabetical order.)*

Alessi-Severini S, Bolton J, Sareen J, Enns M. \$24,000. Use of Psychotropic Medications in Manitoba: A Population-Based Study. HSCF.

Ambtman R, Brownell M. \$8,500. Review of the Use of Mood Behaviour Changing Medications in Children- and Youths-in-Care. Children's Advocate.

Bartlett J, Chen H, Martens PJ, Sanguins J, Cater S. \$35,000. Diabetes and Related Health Care Utilization in the Manitoba Metis Population. PHAC.

Bartlett J, Cook C, Carter S, Martens PJ, Elias B. \$100,000; 2008 – 2010. Implementing and evaluating a knowledge translation framework – using Métis specific health information to adapt Manitoba's health programs & services to better meet Métis needs: The "Métis Need to Know Too" Project. CIHR KTA Local Researcher-User RFA.

Becker A, Kozyrskyj A, Sandford A, Dean H, Sellers E, Taback S, Soussi-Gounni A, Taylor C, Marchessault G, Benoit C. \$1,476,250; 2004 - 2009. Adolescent females, obesity and asthma: An inflammatory state: The GREATice Project (Gender-Related Evolution in Asthma Team). CIHR.

Bernatsky S, Lix L. \$227,600; 11/2006 – 10/2009. Administrative Database Research in Rheumatic Diseases: Novel Techniques. CIHR.

Bolton JM, Sareen J, Martens PJ, Roos LL, Katz L, Elias B. \$137,296; 2010 – 2012. Consequences of suicide bereavement: A population-based study in Manitoba. CIHR.

Brehaut J, Kohen D, Rosenbaum P, Miller A, Lach L, Brownell M, McGrail K, Garner R, Arim RG, Guevremont A. \$349,699; 2010 – 2013. The health of Canadian caregivers: Using administrative health services data to understand the determinants of the health of caregivers of children with chronic health problems. CIHR (Operating Grant).

Cook C, O'Neil J, Elias B, Bartlett J, Mignone J, Lavoie JG, Bruche S, Martens PJ, Kaufert J, Eni R, Galley V. \$583,333; 2007 – 2010. CIHR Application for a Manitoba NEAHR Program.

Dahinten, SV, Arim R, Brownell M. \$76,936; 2009 – 2011. Early identification of families with young children at risk: Evaluating a public health screening measure through the use of NLSCY Data. Canadian Institutes of Health Research Operating Grant: Maternal and Child Health.

Distasio J (PI), Sareen J (Co-PI). Co-investigators: Thomson M, Bruce L, Mulligan S, Martens PJ, Smith M, Belik SL, Isaak C, Katz LY, Bolton JM, Enns MW, Elias B. \$3,750,000; 2009 – 2013. Research Demonstration Project in Homelessness and Mental Health. Mental Health Commission of Canada.

Elias B, Martens PJ, O'Neil J, Mignone J. \$1,000,000; 2006-2011 Understanding and addressing health disparities in First Nations populations in Canada. Manitoba First Nations Health Report Card: A collaborative network project to reduce health disparities. Government Partners: AMC, Manitoba Health, FNIHB.

Elias B, Turner D, Bruce S, Demers A, Griffith J, Kliewer E, Martens PJ, Czaykowski P. \$1,495,213; 2007 – 2012. CIHR/CCMB Team in First Nations Cancer Research. Access to Quality Cancer Care for Manitoba's First Nations and Non-First Nations Population: Identifying issues, reducing risk and ensuring equitable access. Program: CIHR's New Emerging Team Grant- Access To Quality Cancer Care (CIHR AQC – 83508).

Fuchs D, Brownell M, Chudley A, Longstaffe S, Burnside L, Hanlon-Dearman A. \$105,500. Economic Impact of Children in Care with FASD. PHAC.

Green M, Katz A, Lavoie J, Wong, Kwong J. \$99,975; 2010. Impact of policy guideline variation on outcomes of novel H1N1 influenza in Aboriginal communities in BC, Manitoba, and Ontario. CIHR.

Gregory D, Katz A. \$118,239.00; 2006 – 2009. Understanding the work of Nurse Practitioners: Exploring discourse, transactions and actions with patients through video-taped analysis, SSHRC.

Grynspan D, DelBigio M, Brownell M, Martens PJ, Smith M. \$12,000; 2009 – 2010. Building a pediatric autopsy database for the Province of Manitoba. Diagnostic Services of Manitoba.

Hanlon-Dearman A, Brownell M, Chudley A. \$25,000; 2009 – 2010. Combining clinic data on fetal alcohol spectrum disorder (FASD) with administrative data on health, education and social services: Analysis of service utilization. Manitoba Medical Services Foundation and the Manitoba Institute for Child Health.

Heaman M, Martens PJ. Co-investigators: Brownell M, Helewa M, Chartier M. \$100,000; 2009 – 2011. Predictors and outcomes of prenatal care: vital information for future service planning. CIHR Maternal & Child Health Operating Grant.

Katz A, Lobchuk M, Martens PJ, McClement S, Singh H, Taylor M, Turner D. \$1,469,086; 2007 - 2013. CIHR / Cancer Care Manitoba Team in Primary Care Oncology Research. "Access to Quality Cancer Care." CIHR New Emerging Team Grant.

Katz A. \$34,956.00; 2008 – 2009. The health and economic consequences of achieving a high quality primary healthcare system in Canada "Applying what works in Canada: Closing the Gap."



Katz LY (PI), Roos NP, Brownell M, Martens P, Enns MW, Kozyrskyj A, Elias B, Sareen J. \$33,900; 2009 – 2010. Morbidity and mortality of children and adolescents in the child welfare system. Funded by the Winnipeg Foundation and the Health Sciences Centre Foundation, Winnipeg, MB.

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

Kozyrskyj A, Chartier M, Brownell M, Becker A. \$100,000; 2009 – 2011. The Interplay between maternal distress and addiction on the development of childhood asthma and allergic disease. Norlien Foundation Inc.

Kozyrskyj A, Chartier M, Brownell M, Becker A, Letourneau N, Mandhane P. \$50,000; 2009 – 2012. Maternal distress and the development of atopic disease in children: Potential pathways and intervention. AllerGen NCE Inc. (Allergy, Genes, and Environment Network).

Kraut A, Fransoo R, Ramsey C, Olafson K, Garland A. \$25,715; 2009 – 2010. Characteristics and Outcomes of Patients Leaving Hospital Against Medical Advice. Manitoba Health Research Council; \$13,178, Winnipeg Health Sciences Centre Foundation; \$12,537.

Kwong J, Manuel D, Roos L, De Wals P, Moran K, Au W, Burchill C. \$1,091,729; 2006 – 2010. Evaluation of Ontario's Immunization Program: Phase II. CIHR.

Lavoie J, Forget E, Martens PJ, O'Neil J. \$150,000; 2007 - 2010. Using evidence to identify the need for investments in primary health care services on Manitoba First Nation reserves. CIHR.

Lesage A, Bland R, Crocker A, Dewa C, Fleury MJ, Jacobs P, Martens PJ, Smith M, Somers J, Vasiliadis HM. \$290,000; 2010 – 2013. Context of the Mental Health Commission of Canada (MHCC) homeless initiatives in six cities: history of services, array of services, coordination/integration and costs of the 'de facto' severely mentally ill services system. CIHR PHSI.

Leslie WD, Lix L, Azimaee M. \$53,750. Economic Burden of Osteoporosis in Manitoba and Canada. PATH.

Leslie W, Roos LL. \$759,724.00; 2005 – 2009. First Nations Bone Health Study (FNBHS II) - Longitudinal measurements and outcomes, First Nations Bone Health Study (FNBHS II).

Lix L, Leslie WD, Bowman C, Targownik L, Wang L, Hobson D, Roos LL, Quan Hude, Manuel D. \$240,421; 05/2008 – 05/2011. Classification Algorithms to Distinguish Chronic Disease Cases from Non-Cases in Administrative Data. CIHR.

Lix L, Roos LL, Quan H, Smith M. \$625,000. Comparison of Risk-Adjustment Methods for the Study of Chronic Disease Outcomes. Lupina Foundation.

Manuel D, Roos LL. \$350,000.00; 2006 – 2009. Evaluation of Ontario's universal influenza immunization program (Phase II), CIHR.

Manuel D, Burchill C, Anderson G, Berthelot JM, Roos L, Mustard C, Booth G, Choi B, Hux J, Stukel T, Wu J, Maaten S, Lam K. \$628,306; 01/2005 – 03/2009. Population health Impact Assessment Tools – for Obesity and Diabetes Mellitus Type 2 (PHIAT-DM). CIHR.

Marchessault G. \$23,000; 2010. Evaluation of Families First.

Martens PJ, Jackson L, Dunn J, Frankish C, Shiell A, Bourgeault I, Bilodeau A, Lyons R. \$1,731,750; 2009 – 2015. CIHR/NCCPH Training Grant in Population Health Intervention Research (PHIRNET).

McKay A, Abulfray M, Katz A, Lipschitz J. \$29,900. A Population-Based Analysis of the Morbidity and Mortality of Gallbladder Surgery in the Elderly. MHRC.

Menec V, Dyck H, Tate R. 2005 – 2009. Population-Based Analysis of the Relationship between Neighbourhood and Individual Characteristics and Health Among Seniors. Funded through Canada Research Chair in Healthy Aging - CIHR.

Metge C, Alessi-Severini S, Katz A, Bugden S. \$7,000.00; 2006 – 2009. Toward a strategy for pharmaceutical use in Manitoba.

Moghadas S, Pizzi N, Wu J, Driedger M, Alexander M, Roos LL, Fisman D, Yan P. \$94,750; 2009 – 2012. Evaluation of mitigation strategies for pandemic preparedness in Canada. CIHR.

Mutch A, Fransoo R, Sirski M. 2007 – 2009, Incidence of Dementia and Depression Following Open Heart Surgery or Percutaneous Coronary Intervention. Manitoba Health and Healthy Living.

Ouellette-Kuntz H, Brownell M, Shoostari S. \$128,523; 2009 – 2010. Enhancing Autism Spectrum Disorders surveillance in Canada. Public Health Agency of Canada.

Roos LL. \$203,835, 2007 – 2010. Classification algorithms to distinguish chronic disease cases from non-cases in administrative data.

Roos LL. \$625,000.00; 2005 – 2010. Research knowledge transfer - A web-based concept dictionary, A major collaborative effort to document and disseminate working knowledge.

Roos NP, Katz A et al. \$150,000; 2009 – 2012. Injecting evidence into health policy coverage. CIHR

Roos NP, Martens, PJ. Co-Applicants: Barer M, Henry D, Driedger M, Katz A. Decision Makers: Clements D, Fleury JM, Hirst N, Cassels A, Janzen L, Silversides A, Manson Singer S. \$718,170; 2009 – 2011. CIHR (\$370,800); PHSI.

Sheps S, Backman A, Barer M, Casebeer A, Doupe M, Kelly K, Lix L, Marchildon G, Martens PJ; with Andrusiek D, Berg S, Black C, D'Arcy C, DeCoster C, Dionne F, Dobson R, Elliott L, Forget E, Ghali W, Grunau G, Hadjistavropoulos H, Hemmelgarn B, Horsburgh M, Jette N, Lepnurm R, Macdonald S, Marshall D, Menon D, Moffatt M, Morgan S, Noseworthy, T, Poole B, Roos, LL, Roos NP, Thorne S, Voaklander D, and White D. \$1,790,000; 2009 – 2015. Enhancing existing capacity in applied health services and policy research in Western Canada. CIHR.

Sheps S, Backman A, Barer M, Casebeer A, Doupe M, Kelly K, Lix L, Marchildon G, Martens PJ; with Jorm L, Roberts C, Preen D, Simpson J, Moorin R, Haines M, Bambrick H, Holman D, Goldacre M, Roos NP, Mays N, Leyland A, Redman S, Daube M, Eades S, Taylor L. \$2,261,542; 2009 – 2014. OSPREY: Building capacity for research to improve health services for mothers, babies and children. National Health and Medical Research Council (Government of Australia).

Sheps S, Barer M, Backman A, Casebeer A, Marchildon G, Quan H, Lix L, Kelly K, Doupe M, Martens PJ. \$1,790,000; 2009 – 2015. Enhancing existing capacity in applied health services and policy research in Western Canada. CIHR.

Sheps S, O'Neil J, Roos LL. \$1,687,500.00; 2006 – 2011. Western Regional Training Centre in health services research. Western Regional Training Centre.



Shooshtari S, Yu CT, Brownell M, Martens PJ, Mills R. \$79,720; 2008 – 2010. Trajectories in health and use of health and social services by children with developmental disabilities: A population-based longitudinal study. Manitoba Health Research Council (MHRC) (Operating Grant Program).

Skowronski D, Roos LL. \$93,600.00; 2007 – 2009. Influenza vaccine effectiveness against serious outcomes. CIHR.

Smith M. (co-applicant). \$570,217; 07/2009 – 07/2012. Assessment of hypertension occurrence, management and outcomes in Canada. CIHR.

Smith M. (co-applicant). \$91,115; 02/2009 – 01/2011. Death registrations in Nova Scotia: An audit of linked administrative databases. NSHRF.

Smith M. (co-applicant). \$160,529; 03/2009 – 03/2013. Facilitating access to health data for research and planning in lights of laws and ethical norms. CIHR.

Smith M. (co-applicant). \$1,460,779; 12/2008 – 11/2013. Health care system sustainability through longitudinal efficiency: Improved quality and lower costs. CIHR.

Smith M. (co-applicant). \$546,000; 10/2008 – 09/2011. Partnership for ongoing impact assessment of academic detailing. CIHR.

Stukel T, Bierman A, Glazier R, Guttman A, Katz A, Laporte A, Lee D, Manuel D, Shah B, Smith M, Tu K. \$1,496,035 ; 2008 – 2013. Health care system sustainability through longitudinal efficiency: Improved quality and lower costs. CIHR.

Targownik L, Leslie WD. \$146,000; 2008 – 2009. Determining the Effect of Proton Pump Inhibitor Use on Bone Mineral Density and Development of Osteoporosis. CIHR.

Walker J, Charette G, Sareen J, Furer P, Kutcher S, Martens P. \$100,000; 2010 – 2011. Knowledge Synthesis: Finding the information parents want to know about treatments for children's anxiety. CIHR Knowledge Synthesis grant.

Young TK, Lix L. \$370,000; 2006 – 2011. Averting Emerging Chronic Diseases in Northern Populations. CIHR Team in Circumpolar Health Research.

### 1.2.5 Ongoing Theses Projects Accessing the Repository

Balogh, R. "Primary Care Access Among Persons with an Intellectual Disability in Manitoba."

Bozat-Emre, S. "Temporal Association between Atypical Antipsychotic Medication Use and Falls Among Personal Care Home Residents in the Winnipeg Regional Health Authority"

Chan, K. "The Impact of Universal Vaccination of *Streptococcus Pneumoniae* and *Hemophilus Influenzae* Type B: Looking at the Direct and Indirect ("Herd") Effects of Implementing a Universal Vaccination Program."

Dart, A. "The Natural History of Youth Onset Type 2 Diabetes in a Cohort of Manitoba Children and Adolescents."

Heron, D. "Stress Response Patterns in Children Who Develop Asthma Subsequent to Maternal Distress."

Khan, S. "Does Respiratory Tract Infection by Respiratory Syncytial Virus (RSV) in the First Two Years of Life Contribute to the Development of Asthma Among Children in Manitoba."

Lam, K. "Who Are the High Users of Health Care Services? Determinants and Stability of Health Care Expenditure Trajectories in Manitoba"

Ruth, C. "The Influence of Socioeconomic Status on Morbidity in Late Preterm Infants."

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

## 2.0 KNOWLEDGE TRANSLATION

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

### 2.1 MCHP 20<sup>th</sup> Anniversary Conference

The Manitoba Centre for Health Policy celebrated its 20th year with a tremendously successful international conference and dinner on March 8 & 9, 2010. The heart of the conference focused on research – creating new knowledge that informs health and social policy – and explored the connection between research, policy and practice, clinical care, and public health in four keynote sessions and a series of breakout sessions throughout the event.

When MCHP was founded in 1990 it was one of the first research centres of its kind in Canada and became a global pioneer in population health research, recognizing the University of Manitoba as a key player in the field. As such, the MCHP 20th Anniversary Conference attracted over 350 people including policy planners and decision-makers from regional health authorities throughout the province as well as representatives from the Manitoba Government. Researchers and policy makers across Canada and as far away as Australia came to share and collect knowledge.

The conference was opened with remarks from Minister of Health, Theresa Oswald, the Dean of the Faculty of Medicine, Dr. Dean Sandham, and the Department Head for Community Health Sciences, Dr. Sharon Macdonald. Two keynote sessions were given each day, thematically centred around the three MCHP pillars of Research, the Repository, and Knowledge Translation.

Dr. Clyde Hertzman is the Director of the Human Early Learning Partnership (HELP) at the University of British Columbia. His keynote session focused on the benefits of linking different sources of data that can improve the health of children. He said children's development can be tracked by connecting health records (such as hospital visits for example) with information on the area in which they live as well as educational outcomes. In an era of investment in early childhood, Dr. Hertzman said these approaches to research should be used to create the world's best system of child development reporting for Canada.

In 2003, Dr. Fiona Stanley was named Australian of the year. She's the Director of the Telethon Institute for Child Health Research and her keynote presentation, using data from Australia, focused on studying the health of Australian youth by connecting information from agencies across the country. There's difficulty in doing this kind of research because gathering information from so many sources and applying it to policy across departments is beyond the capacity of any one organization. The research so far has shown that complex problems among Australian children and youth have multiple causes and demand cross-agency responses. Moreover, these problems are increasing but by looking at the results of the research, policy makers have the opportunity to implement prevention strategies.

In another keynote address Mr. Steven Lewis outlined the role research plays in creating healthy populations. He described how evidence is used to inform health and social policy by influencing culture and behaviour.

Leading with examples of studies by Sir Michael Marmot, Lewis pointed out that it is nearly impossible to produce a major health report that does not address fundamental social and economic circumstances. Health is dramatically affected by income and where people live.

Continuing with MCHP research, Lewis identified the variations in high school completion in Winnipeg neighbourhoods. This is based on the report “How Do Educational Outcomes Vary with Socioeconomic Status?” led by Dr. Marni Brownell. The results of the study concluded what many intuitively knew already – socioeconomic status is a huge factor in the likelihood of high school completion and those in less affluent neighbourhoods are less likely to complete high school. This report alone had a major impact on how the Ministry of Education viewed performance and strategies and led to more discussion and analysis resulting in the creation of the Bright Futures Program, giving students in low-income neighbourhoods tools needed to succeed in high school.

MCHP’s Director, Dr. Patricia Martens was also featured as a keynote speaker. Her presentation in knowledge translation identified the strengths and importance of evidence-based storytelling and that it leads to evidence-informed decision making. Using The Need to Know Team as an example Dr. Martens stressed the necessity of user involvement from start to finish. The collaboration of researchers and policy-makers from RHAs and government builds data into a system so evidence becomes the basis for health and social policy planning which ultimately improves the health of Manitobans.

The four keynote sessions were punctuated by a series of smaller, concurrent breakout sessions allowing attendees to centre on their own particular area of interest. Topics ranged from research methods and design, data linkage, child health, researcher-reporter interactions, pharmacosurveillance, knowledge translation, and more.

The conference dinner at the end of the first day highlighted the achievements MCHP has made with addresses from the Honourable Greg Selinger, premier of Manitoba, and University of Manitoba President and Vice Chancellor Dr. David Barnard. A tribute to MCHP’s founding directors Drs. Noralou and Leslie Roos was also part of the celebration with the public launch of the Roos Doctoral Fellowship in Population Health – a scholarship for U of M graduate students using the Population Health Research Data Repository housed and maintained at MCHP. On behalf of Manitoba Health and the WRHA, Premier Selinger made a surprise announcement with a generous pledge of \$20,000 towards the fellowship.

## Conference Agenda

### Monday, March 8

- 7:45-8:45      Registration  
Continental Breakfast & Mingling
- 8:45-9:15      Welcome and Introductions
- 9:15-10:15     Dr. Clyde Hertzman, Director, Human Early Learning Partnership (HELP), University of British Columbia. *The Role of Administrative Record Linkage in Creating Trajectories of Early Human Development*
- 10:15-11:00    Poster Session & Coffee Break
- 11:00-12:15    Breakout Sessions
- Dr. Randy Fransoo (Chair), Dr. Gail Marchessault, Dr. Charlyn Black, Dr. Carolyn DeCoster. *Panning for Population Gold: 20 Years of Research at MCHP*
- Mr. Greg Finlayson (Chair), Dr. Lisa Lix, Dr. Les Roos. *The Whole is Greater than the Sum of the Parts: Using Data Linkage and Cohort Designs to Create Data Synergy at MCHP*
- Dr. Noralou Roos (Chair), Dr. Jane Freemantle, Mr. Gerald Farthing, Mr. Jim Carr. *Taking it to the Streets: Figuring Out and Communicating What's Really Important in Children's Health & Wellbeing Research*
- Dr. Alan Katz (Chair), Dr. Allan Garland, Dr. William Leslie, Dr. Michael Moffatt. *Clinical Research at MCHP over the Next 20 Years: Past Successes and Future Challenges*
- 12:15-1:15     Lunch & Presentation by Ms Maureen O'Neil, CEO, Canadian Health Services Research Foundation. *Promoting Canadian Healthcare Innovation: Let's Make the Most of the Manitoba Model.*
- 1:15-2:15      Dr. Fiona Stanley, Director, Telethon Institute for Child Health Research, Western Australia. *The Developmental Pathways Project: Can Joined-Up Data Lead to Joined-Up Thinking?*
- 2:15-3:00      Poster Session & Coffee Break
- 3:00-4:15      Breakout Sessions
- Dr. Marni Brownell (Chair), Dr. Anita Kozyrskyj, Dr. Don Fuchs, Dr. Rob Santos. *Using Administrative Data to Study Child Health*
- Dr. D'Arcy Holman (Chair), Dr. Merran Smith, Dr. James Semmens, Ms. Diana Rosman. *International Health Data Linkage Network*
- Mr. Jack Rach (Chair), Ms. Mary Agnes Welch, Mr. Richard Cloutier, Dr. Malcolm Doupe. *Dancing with the Media - Be Careful Not to Step on Your Partner's Toes: The Challenge of Working with the Media to Share Research Findings with the Public*
- Dr. Colleen Metge (Chair), Dr. Silvia Alessi-Severini, Dr. Ingrid Sketris. *Seeking the Balance Between Harm and Benefit: The Role of Pharmacosurveillance in Choosing What Drugs We Should Take*

## Tuesday, March 9

7:45-8:30	Continental Breakfast & Mingling
8:30-9:30	Mr. Steven Lewis, President, Access Consulting Ltd., Saskatoon Saskatchewan. <i>How Health Services Research has Made a Difference</i>
9:30-10:15	Poster Session & Coffee Break
10:15-1:30	Breakout Sessions  Mr. Mark Smith (Chair), Dr. Les Roos, Mr. Charles Burchill. <i>Expanding the Data Repository: New Technology and Resources for the 21st Century</i>  Dr. Alan Katz (Chair), Mr. Louis Barré, Mr. Tom Fogg, Mr. Steven Lewis. <i>Beyond Administrative Data: A Vision for Health Information Systems for Canada</i>  Dr. Randy Fransoo (Chair), Dr. Patricia Martens, Ms. Tannis Erickson, Ms. Suzanne Dick, Ms. Deborah Malazdrewicz, Ms. Elaine Burland, Ms. Pearl Soltys. <i>The Inside Story: Knowledge Translation Lessons from The Need to Know Team</i>  Dr. Malcolm Doupe (Chair), Mr. Real Cloutier, Dr. Evelyn Shapiro. <i>Healthcare Services for an Aging Population: Using Administrative Data to Help Prepare for the Future</i>
11:30-2:30	Dr. Patricia Martens Director, Manitoba Centre for Health Policy, University of Manitoba. <i>Going for Knowledge Translation Gold: Research with its Feet on the Ground...Walking and Talking</i>
12:30-12:45	Closing Remarks
12:45-1:15	Lunch
1:00-5:00	International Health Data Linkage Network (IHDLN)

## 2.2 RHA Collaborative Research

### 2.2.1 *The Need To Know* Team Project

This project involves collaborative research by the Manitoba Centre for Health Policy, the eleven Regional Health Authorities, and Manitoba Health. High-level planners and decision-makers from each RHA are chosen by their CEOs to attend these meetings. Dr. Patricia Martens is the Director of the project, and Dr. Randy Fransoo is the Co-Director of this project which was originally funded through the Canadian Institutes of Health Research, Community Alliances for Health Research Program (2001-2006) with Dr. Martens as the PI. After completion of this grant, funding for these projects came through Manitoba Health and Healthy Living (now Manitoba Health). Meeting expenses have been funded through a national CIHR KT Award (2007-2008), and through the CIHR/PHAC Applied Public Health Chair awarded to Dr. Martens (2008-2013). The goals of this project are:

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

*The Need To Know* Team meets in Winnipeg three times a year for two days at a time. These meetings are designed to respond to the goals by including activities relevant to the current and ongoing research projects at MCHP. The fall meeting is concurrent with the annual MCHP Rural & Northern Healthcare Day, where *The Need to Know* Team members act as facilitators for round-table discussions on MCHP deliverables.

The Need to Know Team meetings (June 15-16, 2009; October 26-27, 2009; February 7-8, 2010) incorporated a variety of sessions designed to encourage two-way learning between researchers and planners/policy-makers. The meetings during the 2009/10 fiscal year included sessions on:

- Partnerships for Health System Improvement (PHSI).
- Creative Storytelling Using Data.
- Evidence to Action and Integrated Knowledge Translation.
- Discussions on the Mental Health & Housing Deliverable.
- Discussions on CIHI data and how it can be used for RHAs.
- Writing academic publications.
- A number of upcoming deliverables including
  - RHA Indicators Atlas 2009
  - PIN (Physician Integrated Network) Evaluation Project
  - Mental Health & Housing

## 2.3 International Health Data Linkage Network

The second official meeting for IHDLN took place at the Fort Garry Hotel in Winnipeg following MCHP's 20th Anniversary Conference. Over 50 data linkage experts from around the globe came to discuss and educate members on current and future projects.

Established in December 2008, the International Health Data Linkage Network (IHDLN) facilitates communication between linkage centres and users committed to the systematic application of data linkage to produce community benefit in the health and health-related domains. The purpose of the IHDLN is to provide a clearing house for scientific outputs and community impacts arising from data linkage activities supported by the members; to share information and resources concerning common challenges and solutions, whilst acknowledging the many diverse contexts in which data linkage occurs; to build workforce capacity and other supports for data linkage; to foster collaborative projects that show the value of data linkage applications or improve the quality of data and linkage methods; and to observe and promote high standards of governance and ethical practice in the conduct of data linkage activities.

The IHDLN has over 120 members from Australia, Canada, England, New Zealand, Singapore, Scotland and the United States of America, including research scientists from MCHP. Currently work is being undertaken to initiate international comparable data linkage studies in the areas of economic disparity, ambulatory sensitive care conditions, child maltreatment and the pooling of basic international reference tables. The IHDLN website, [www.ihdl.org](http://www.ihdl.org) provides a hub for news contributions, information exchange and clearing house activities, provides links to centres and organisations and lists upcoming events, activities, education and training opportunities. The IHDLN meets biennially and strongly promotes opportunities for staff and student exchange.

## 2.4 Briefings

Prior to the release of a deliverable, Manitoba Health senior executive and managers, including the Associate Deputy Ministers, Deputy Ministers and Ministers, receive briefings which highlight the outcomes and recommendations of the particular report. Stakeholder groups are also briefed prior to relevant releases. These groups include Departments of Healthy Living, Education; Family Services and Consumer Affairs; Housing and Community Development; Innovation, Energy and Mines; as well as the Manitoba Medical Association; College of Physicians and Surgeons of Manitoba; Regional Health Authorities; and Manitoba Patient Safety Institute. Numerous briefings continue post-release on many deliverables as dissemination of findings occurs and interest is generated. Researchers brief the Advisory Board on deliverables in progress and deliverable working group members are briefed throughout the project by research teams. As well, MCHP research forums take place on a bi-weekly basis to update MCHP research scientists and collaborators on the status of deliverables' research, research methods and other Repository-related research. In addition, deliverables are often highlighted in the weekly Community Health Sciences Departmental Colloquium Series. Specific project briefings are listed below, however for a complete list of presentations given by MCHP research scientists, please view the Presentations section of this Annual Report.

### The Additional Cost of Chronic Disease in Manitoba

- Manitoba Health, May 2009
- Manitoba Centre for Health Policy Advisory Board, June 2009
- Preview — 16th Annual Rural & Northern Healthcare Workshop, October 2009

### Effects of Manitoba Pharmacare Policy on Utilization of Prescription Medications

- Manitoba Health, April 2009
- Minister of Health, Manitoba Health, May 2009

### Evaluation of the Manitoba Health Baby Program

- Sneak Peek — 6th Annual Manitoba Centre for Health Policy and Manitoba Health Workshop, May 2009

### Exploring ICU Datasets: A First Look

- Sneak Peek — 6th Annual Manitoba Centre for Health Policy and Manitoba Health Workshop, May 2009

### Levels of Care for PCH Admission

- Sneak Peek — 6th Annual Manitoba Centre for Health Policy and Manitoba Health Workshop, May 2009

### Manitoba Child Health Atlas Update

- Burntwood Regional Health Authority, September 2009
- 6th Annual Manitoba Centre for Health Policy and Manitoba Health Workshop, May 2009

### Manitoba Immunization Study

- Sneak Peek — 6th Annual Manitoba Centre for Health Policy and Manitoba Health Workshop, May 2009



## Manitoba RHA Indicators Atlas 2009

- 16th Annual Rural & Northern Healthcare Workshop, October 2009

## Physician Integrated Network (PIN) Evaluation

- Manitoba Health, February 2010

## Profile of Metis Health Status and Healthcare Use in Manitoba: A Population-Based Study

- Manitoba Health, January 2010
- Preview — 6th Annual Manitoba Centre for Health Policy and Manitoba Health Workshop, May 2009

## 2.5 Workshops

Part of the mandate of the Manitoba Centre for Health Policy is to ensure dissemination of its research in the form of a published report for each completed deliverable. To further disseminate these reports MCHP holds a minimum of two annual workshops in order to fulfil objectives in knowledge translation.

### 2.5.1 MCHP / Manitoba Health Annual Workshop

Every year the Manitoba Centre for Health Policy and Manitoba Health work together to put on a one-day workshop designed specifically for key policy planners and decision-makers at Manitoba Health. This year marked the sixth annual event and was held on May 29, 2009 at the Delta Hotel in Winnipeg. For those working at the government level these annual workshops provide a refreshing point of view and give a sense of direction. The knowledge translation sessions add to the importance of relevant information in the formulation of policy and effective program planning.

About 70 people were in attendance at this year's workshop which began with opening remarks from the Minister of Healthy Living, Kerri Irvin-Ross, and the Director of the Health Information Management Branch at Manitoba Health, Deborah Malazdrewicz.

The keynote presentation was given by Dr. Marni Brownell on the Manitoba Child Health Atlas Update, a 318-page research project exploring significant disparities in child outcomes across socioeconomic status and region of residence. Other highlights from the day include sneak peeks and previews of upcoming MCHP research such as the Evaluation of the Healthy Baby Program, the Manitoba Immunization Study, the Use of Intensive Care Units, Cost of Chronic Disease, Levels of Care in Long Term Care, and Metis Health.

### 2.5.2 MCHP Rural & Northern Healthcare Workshop

The 16th annual Rural & Northern Healthcare Day was on October 27, 2009 at the Delta Hotel in Winnipeg. At this year's MCHP Rural & Northern Healthcare Day Dr. Randy Fransoo presented the RHA Indicators Atlas 2009, which was followed by facilitated roundtable discussions with over 180 people in attendance. Representatives from all non-Winnipeg RHAs were present, including most CEOs and Board of Directors from the regions. Delegates from the Manitoba Metis Federation, Manitoba Health, Health Canada, and graduate students from the Western Regional Training Centre also came to observe the knowledge translation session.

These workshops provide opportunities for both MCHP research scientists and key people from the non-Winnipeg RHAs to get together and discuss published and on-going research. Reports like the

RHA Atlas 2009 form a cornerstone of the RHAs Community Health Assessments which feeds long-term planning for regions.

Presentations were also given by other MCHP researchers who gave highlights on upcoming reports. Two RHA stories were shared by Jane Curtis and Michel Petit from the Central and Churchill RHAs, respectively. Louis Barré from the Canadian Institute for Health Information (CIHI) – who also helped sponsor the lunch at the single-day workshop – gave a presentation on data important to all Manitobans.

## 2.6 Media Interviews

Brownell M. "The motherhood issue: Harper lectures G8, but what about northern Manitoba?" Winnipeg Free Press, Winnipeg MB. (Mary Agnes Welch, February 12, 2010).

Fransoo R. Media interview for the release of the report "Manitoba RHA Indicators Atlas 2009." CBC Radio, Winnipeg, MB. (Margaux Watt, October 1, 2009).

Fransoo R. Media interview for the release of the report "Manitoba RHA Indicators Atlas 2009." CBC News at Six, Winnipeg, MB. (Aarti Pole, October 1, 2009).

Fransoo R. Media interview for the release of the report "Manitoba RHA Indicators Atlas 2009." CJOB Radio, Winnipeg, MB. (Richard Cloutier, October 1, 2009).

Fransoo R. "We're healthier except up north." Winnipeg Free Press, Winnipeg, MB. (Mary Agnes Welch, October 1, 2009).

Fransoo R. "Higher mortality rates for lower income brackets." The Manitoban, Winnipeg, MB. (Morgan Modjeski, October 1, 2009).

Fransoo R. "Are we better off?" Winnipeg Sun, Winnipeg, MB. (Paul Turenne, October 1, 2009).

Katz A. "Vaccination priority list still in flux." Winnipeg Free Press, Winnipeg, MB. (Jen Skerritt, November 5, 2009)

Katz A. "Majority of Canadians living with diabetes not receiving all recommended tests." CTV Edmonton, Edmonton, AB. (December 3, 2009).

Katz A. "Canadians get uneven, inadequate diabetes care says study." Canwest News Service, Winnipeg MB. (December 4, 2009).

Katz A. "Few getting routine tests to monitor diabetes." The Globe and Mail, Toronto ON. (Andre Picard, December 4, 2009).

Martens P. "Where you live makes a difference to your health (Senate Subcommittee report on health)." CJOB Radio, Winnipeg, MB. (Jeff Courier, June 4, 2009).

Martens P. "National Tobacco Strategy News Conference. Spokesperson for CPHA nationally. Winnipeg, MB. (January 20, 2010.)

Raymond C. Media interview for the release of the report, "Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications. (2009)." CJOB, Winnipeg, MB. (Richard Cloutier, December 7, 2009).

Raymond C. "Jump in narcotics prescribed dramatic" Winnipeg Free Press, Winnipeg MB, (Jen Skerritt, December 8, 2009, page A4).

Raymond C. Media interview for the release of the report, "Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications. (2009)" CBC Radio One, Winnipeg MB, (Margaux Watt, December 8, 2009).

Raymond C. Media interview for the release of the report, "Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications. (2009)" City TV Breakfast Television, Winnipeg MB, (Megan Bachelor, December 8, 2009).

## 2.7 Media Releases

Media release for the report: Manitoba RHA Atlas 2009, October 1, 2009

Media release for the report: *Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications*, December 8, 2009

## 2.8 Editorials

Brownell M. Grading schools wrong way to success. Winnipeg Free Press, February 6, 2010, page A18.

## 2.9 CentrePiece Newsletter

The MCHP newsletter, CentrePiece, was published once during the 2009/10 fiscal year. Issue No. 21, Fall is available <http://umanitoba.ca/faculties/medicine/units/mchp/newsletters.html>. Hardcopies are also available by request.

## 2.10 Visitors

In October, MCHP hosted Dr. David Sackett, the recipient of Canada's top prize for outstanding leadership in medicine, the Canada Gairdner Wightman Award. Dr. Sackett gave two lectures during his visit. The first was given to about 800 students at Kelvin High School on being a medical detective while the second was delivered to a standing-room-only audience in the Frederic Gaspard Theatre on the Bannatyne Campus of the University of Manitoba. As a leader of evidence-based medicine, Dr. Sackett's second talk was themed on his expertise and titled, "On the Tribulations of Not Performing Randomized Trials (How to help smart doctors stop prescribing dumb treatments)."

In June 2009 a group from New Brunswick visited the MCHP office. In total, five people from the New Brunswick Department of Health, and researchers from the University of New Brunswick came to learn more about how MCHP works, with interest in setting up a similar research unit in Saint John.

A knowledge exchange meeting was arranged in November between a team from the health indicators research unit at the Canadian Institute for Health Information. The primary purpose of the visit was to discuss various methodological and statistical issues in the development of health indicators.

The MCHP 20th Anniversary Conference attracted nearly 400 visitors from across Canada and the rest of the world. Experts in health and social policy research as well as policy-makers and planners from a number of levels of government came from as far away as Australia to take part in the conference on March 8 and 9. Many researchers also stayed for the International Health Data Linkage Network meeting

that followed the MCHP 20th Anniversary Conference to discuss possible collaborations on cohort studies, linking population-based data throughout research centres across the world.

Also in March, MCHP hosted Dr. James McKenna who presented a public lecture and conversation session on co-sleeping. Dr. McKenna is best known for his pioneering studies of the differences between the physiology and behavior of solitary and co-sleeping mothers and infants and the connection these data might have in addressing SIDS risks. His pioneering research at the University of Notre Dame Mother-Baby Behavioral Sleep Lab study issues including the safety of different sleep environments as well as the physiological and / or psychological consequences of the different choices of sleeping arrangements parents make.

## 2.11 Research Resources

Based on a Lupina-funded evaluation of the web-based resources maintained by MCHP, some further restructuring took place to facilitate the access and use of this information-rich research environment. Ongoing development of the web-based resources and responsiveness to user needs are important for continuing to ensure the high level of research productivity and competitiveness in funding applications for which MCHP research scientists are known.

The Data Repository continues to have its own section, but the research process is now distinguished from research methodology to facilitate data analysis. Administrative aspects such as obtaining access to the data and managing the project are separated from the documentation available to facilitate processing and analyzing the data.

### 2.11.1 Data Repository

The Population Health Research Data Repository (Repository) housed at MCHP is a comprehensive collection of administrative, registry, survey and other databases primarily comprising residents of Manitoba. It was developed to describe and explain patterns of health care and profiles of health and illness, facilitating inter-sectoral research in areas such as Health, Education, Social Services, and Justice (added in 2009). Summary descriptions for a significant number of the approximately 90 databases housed at MCHP were completed last year and are available from the Data Repository section of the MCHP website. Expansion continued during the 2009/10 fiscal year with the installation of new administrative data (long term/home care assessment data, critical care/intensive care data, and housing data) as well as clinical data (alcohol/drug exposure data and the pediatric diabetes database).

### 2.11.2 Research Process

As a steward of the information in the Repository for agencies such as Manitoba Health, MCHP must ensure the appropriate steps are followed throughout the research process. Key administrative requirements and policies related to access and use of the Repository are available in the Research Process section of the MCHP website. Documentation includes policies on data processing and release of information. Checklists were also developed to assist the user in developing a proposal and — once the proposal is approved — for managing a project. All the necessary forms to obtain access to the data, such as the MCHP Project Feasibility and Data Access Quote Request Form, are available in this section.

### 2.11.3 Research Tools

A series of tools has been developed at MCHP to permit application of a variety of theoretical frameworks, analytical techniques, statistical approaches and mapping tools appropriate for use with administrative data bases. They are available from the Research Tools section of the MCHP website. The Concept Dictionary contains detailed operational definitions of variables or measures used in MCHP research and the Glossary documents terms commonly used in population health and health services research. A Design and Methods section outlines key elements relevant for the research plan, such as study design, eligibility criteria, data sources, study period, theoretical frameworks, and statistical tools.

### 2.11.4 Research Resource Updates

To assist visitors to the MCHP Research Resources website in staying abreast of developments in this area, an update page was created, describing both new additions and changes to existing resources. It is updated on an approximately bi-monthly basis and an announcement is sent out to users who have requested such notification. Another related section is Concepts in Progress; this consists of a list of new concepts in varying stages of development and/or concepts undergoing modification. This section is updated regularly as work progresses, and provides an advance look at concept work being done at MCHP prior to public release.

## 2.12 Website

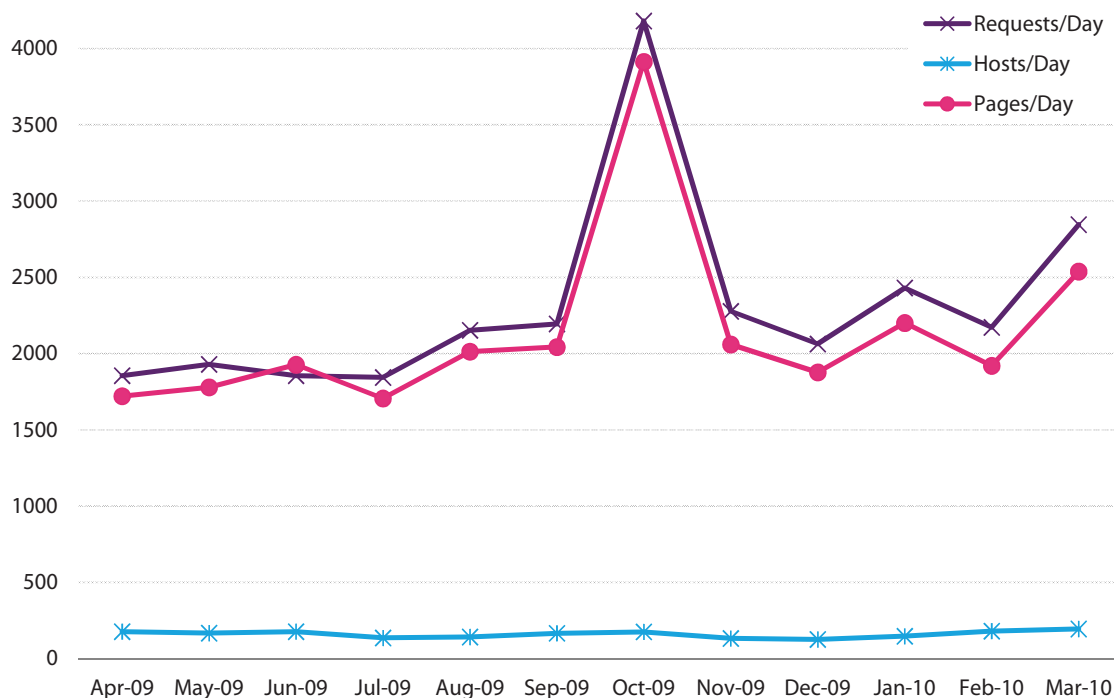
MCHP began monitoring website use in January 1998, using access logs from the University of Manitoba Apache WWW server. This approach permits counting the number of hits, page views, unique visitors, and other information regarding how and what was accessed on MCHP's website.

In April, 2008 MCHP modified its domain to reflect changes with the University of Manitoba's website structure. With the change MCHP started using the University of Manitoba's web template to keep the look of MCHP's site consistent with the University at large. This also required a restructuring of MCHP Research Resources including the Concept Dictionary, Glossary, and other internal databases. Search engines like Google do not automatically re-index web addresses when changes like this are made and as such, there was a considerable drop in web traffic to the MCHP site.

Since a hit is counted once for every time a browser like Internet Explorer goes to the server and requests a web page, careful analysis is required when interpreting this information. Hits are counted once for each file loaded on a visitor's computer. This means that a hit is counted each time a web page is loaded and another hit is counted for each graphic within that page. For this reason, graphic files have been excluded from MCHP web statistics to paint a more accurate picture of visits to the MCHP website. Additionally, every time an internet crawler or bot is sent automatically by search engines as they update their own sites, a hit and a page view is counted and since the bot traffic cannot be easily distinguished from regular visitors browsing a site, the true number of visits measured in hits or page views may be skewed. Counting hits and page views however does not compensate for the fact that many different visitors may come from the same host when they are situated in a network behind a firewall. In this type of situation there may be 50 different visitors but they are all represented by a single host or unique visitor. On the other hand, because of the Concept Dictionary use at Monash University in Australia and mirroring of the Epidemiology Supercourse lectures in approximately 39 servers worldwide, these figures might represent an underestimate of international interest.

## 2.12.1 MCHP Web Traffic

### Web site traffic per day



## 2.12.2 Report Downloads

In 2008/09 MCHP began monitoring downloads of reports in .PDF format from the Deliverables page on the MCHP landing site. There were 854,737 successful requests and 45,214 distinct hosts served. The table below represents the top 10 downloaded reports for 2009/10.

Rank	Deliverable	Requests
1	Manitoba RHA Indicators Atlas 2009 (released September 2009)	12,684
2	Manitoba Child Health Atlas Update (released November 2008)	9,688
3	What Works? A First Look at Evaluating Manitoba's Regional Health Programs and Policies at the Population Level (released March 2008)	9,361
4	Defining and Validating Chronic Disease: An Administrative Data Approach (released July 2006)	7,825
5	Patterns of Regional Mental Illness Disorder Diagnoses and Service Use in Manitoba: A Population-Based Study (released September 2004)	5,393
6	The Health and Health Care Use of Registered First Nations People Living in Manitoba: A Population-Based Study (released March 2002)	4,887
7	Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes (released October 2006)	3,959
8	Composite Measures/Indices of Health and Health System Performance (released (August 2009)	3,447
9	The Manitoba RHA Indicators Atlas: Population-Based Comparison of Health and Health Care Use (released June 2003)	3,195
10	Assessing the Health of Children in Manitoba: A Population-Based Study (released June 2001)	2,804

## 2.13 Education

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

Number	Title	Instructor
CHS 7130	Methods in Health Services Research and Evaluation	Patricia Martens Randy Fransoo (guest lecturer)
CHS 7310	Epidemiology of Health Care	Noralou Roos Leslie Roos Marni Brownell
CHS 7400	Western Regional Training Seminar Directed Readings: Topics in Health Services Research Directed Readings: Health and Aging Directed Readings: In Epidemiologic Methods (Part B)	Malcolm Doupe (course instructor) Malcolm Doupe Malcolm Doupe Leslie Roos
CHS 7410	Directed Readings II: In Epidemiology	Leslie Roos
CHS 7520	Epidemiology	Noralou Roos (guest lecturer) Marni Brownell (guest lecturer)

### 2.13.2 Courses in Other Departments

Faculty / Medicine	Course Title	Instructor
Medicine	Population Health Block 1	Alan Katz
Medicine	Critical Thinking and Clinical Reasoning	Alan Katz
Medicine	Med I Tutorial in Health Policy	Patricia Martens
Medicine	Biostatistics to Med I students	Patricia Martens
Medicine	Biostatistics Review to Med IV students	Patricia Martens
Medicine	Biostatistics to Physician Assistant Program students (year 1)	Patricia Martens
Pharmacy	Pharmacy 4800 - Electives Program	Colette Raymond
Pharmacy	Structured Practical Experiential Program	Colette Raymond
Pharmacy	Clinical Pharmacy I	Colette Raymond



### 2.13.3 Graduate Student Supervision

Student	Degree Sought	Advisor	Committee Member
Robert Balogh	PhD		Marni Brownell
Crystal Bernier	MSc		Gail Marchessault
Songul Bozat-Emre	PhD	Malcolm Doupe	
Gemma Briggs	PhD		Marni Brownell
Elaine Burland	PhD	Patricia Martens	Marni Brownell Malcolm Doupe
Rachel Carr	MSc	Patricia Martens	Randy Fransoo
Brenda Comaskey	PhD	Noralou Roos	Marni Brownell
Allison Dart	MSc	Patricia Martens	Marni Brownell
Kathleen Decker	PhD		Patricia Martens
Myrna Dyck	PhD		Malcolm Doupe
Greg Finlayson	PhD		Noralou Roos
Andrew Fong	MSc		Leslie Roos
Gayle Halas	PhD		Alan Katz
Joanne Hamilton	MSc		Alan Katz
Margaret Haworth-Brockman	MSc	Patricia Martens	
Brett Hiebert	MSc	Leslie Roos	
Aynslie Hinds	PhD	Patricia Martens	
Jill Hnatiuk	MSc		Alan Katz
Ken Lamm	PhD		Leslie Roos
Salme Lavign	PhD	Malcolm Doupe	
Leanne LeClair	PhD		Noralou Roos
Jackie Lemaire	PhD		Patricia Martens
Rachel McPherson	MSc	Patricia Martens	
Thomas Mutter	MSc	Leslie Roos	
Hanna Neufeld	PhD	Gail Marchessault	
Karen Penner	PhD		Patricia Martens
Saila Preveen	MSc	Alan Katz	
Janelle de Rocquigny	MSc	Noralou Roos	Leslie Roos
Hazel Rona	MSc	Malcolm Doupe	
Laura Rosella	PhD		Leslie Roos
Chelsea Ruth	MSc	Marni Brownell	Noralou Roos
Deepa Singal	PhD	Marni Brownell	
Pearl Soltys	PhD	Patricia Martens	
Rae Spiwak	PhD		Patricia Martens

Derek Tai	MSc		Leslie Roos
Kellie Thiessen	PhD		Patricia Martens
Darolyn Walker	PhD		Randy Fransoo
Lauren Yallop	PhD	Marni Brownell	

#### 2.13.4 Education Resources

MCHP's commitment to training researchers extends to students in such fields as Epidemiology and Health Services Research. The Educational Resources page (<http://www.umanitoba.ca/faculties/medicine/units/mchp/education/index.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. In addition, online tutorials for using SAS and geographic information system (GIS) software are provided. There are also links to lectures developed by MCHP research scientists for the University of Pittsburgh's Epidemiology SuperCourse, an internationally-recognized teaching resource.

#### 2.13.5 SAS Tutorials

The SAS system provides a way of creating and/or accessing a variety of data sets, with techniques for manipulating the data to obtain output ranging from simple frequency tables to complex three-dimensional graphs. The goal of the MCHP online SAS tutorial is to provide the new user with enough knowledge of SAS to translate basic research questions into SAS code, enabling completion of the research project required by the Epidemiology of Health Care course at the University of Manitoba. Intermediate training material has been developed for new users of the MCHP data bases; this documentation covers arrays, do loops, first/last by-group processing, retain statements, and how to work with dates.

Additionally, there were three separate SAS tutorials ranging from beginner to intermediate levels offered in the 2009/10 fiscal year. These 20 hour were led by Charles Burchill, Manager of Program and Analysis Systems at MCHP on the following dates:

- August 24-28
- September 19, 26
- September 15, 22, 29, October 6, 13

#### 2.13.6 Colloquia in the Department of Community Health Sciences

Martens PJ. MCHP – Who we are and what we do. Community Health Sciences Colloquium; October 2, 2009; Winnipeg MB.

Roos NP. Focusing on the Health and Well-Being of At-Risk Kids: Both in Manitoba and Down-Under. Community Health Sciences Noon Colloquium Series; December 11, 2009. Winnipeg, MB.

## 2.14 Publications

### 2.14.1 Papers, Books / Book Chapters, Reports

#### 2010

Afifi T, Cox B, Martens P, Sareen J, Enns M. The Relationship between Problem Gambling and Mental and Physical Health Correlates among a Nationally Representative Sample of Canadian Women. *Can J Public Health* 2010;101(2):171-75.

Allard M, Frego A, Katz A, Halas G. Exploring the Role of RNs in family practice residency training programs. *Can Nurse*. 2010;106 (3):20-24.

Currie J, Stabile M, Manivong P, Roos LL. Child health and young adult outcomes. *J Hum Resources*. 2010;43(3):517-548.

Jutte D, Brownell M, Roos NP, Schippers C, Boyce WT, Syme SL. Rethinking what's important: Biological versus social predictors of childhood health and educational outcomes. *Epidemiology*. 2010;21(3):314-323.

Katz A, Katz A. Erectile dysfunction *CMAJ*. 2010; 182(4):381-382.

Kozyrskyj A, Raymond C, Dahl M, Ekuma O, Schultz J, Sklepowich M, Bond R. Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications. Winnipeg MB: Manitoba Centre for Health Policy, November 2009.

Luo ZC, Wilkins R, Heaman M, Martens P, Smylie J, Hart L, Simonet F, Wassimi S, Wu Y, Fraser WD for the Community and Indigenous Birth Outcomes Study Group. Birth Outcomes and Infant Mortality by the Degree of Rural Isolation among First Nations and non-First Nations in Manitoba, Canada. *The Journal of Rural Health* 2010;26(2):175-181.

Martens PJ. How and Why Does It "Work" at the Manitoba Centre for Health Policy? A Model of Data Linkage, Interdisciplinary Research, and Scientist/User Interactions. In: School of Policy Studies of Queen's University, ed. *Data Data Everywhere: Access and Accountability?* Kingston, ON: McGill-Queen's University Press; 2010.

Marchessault G. The Story of the Manitoba Centre for Health Policy. Winnipeg, Manitoba: Manitoba Centre for Health Policy, Department of Community Health Sciences, University of Manitoba, 2010, March.

Murray RP, Tyas SL, Snow W, Ekuma O, Bond R, Barnes G. Exploring the boundary between health protective and hazardous drinking in a community cohort. *Addict Behav*. 2010;35(3):278-281.

Protudjer JLP, Marchessault G, Kozyrskyj AL, Becker AB. Children's perceptions of healthful eating and physical activity. *Canadian J of Dietetic Practice and Research*. 2010;71:19-23.

#### 2009

Bowen S, Erickson T, Martens P. More than "using research": the real challenges in promoting evidence-informed decision-making. *Healthcare Policy* 2009;4(3):69-84.

- Chochinov H, Martens PJ, Prior HJ, Fransoo R, Burland E, The Need To Know Team. Does a diagnosis of schizophrenia reduce rates of mammography screening? A Manitoba population-based study. *Schizophr Res.* 2009;113:95-100.
- Finlayson GS. Entries for: Canadian Institute of Health Services and Policy Research, Canadian Health Services Research Foundation, Anthony Culyer, Jonathan Lomas, David Naylor, Leslie Roos, Noralou Roos. In: Mullner R, ed. *Encyclopedia of Health Services Research*. Thousand Oaks: CA: Sage Publications; 2009.
- Fransoo R, Martens P, Burland E, *The Need To Know* Team, Prior H, Burchill C. *Manitoba RHA Indicators Atlas 2009*. Winnipeg, MB: Manitoba Centre for Health Policy. September 2009.
- Katz A, Glazier RH, Vijaraghavan J. The Health and Economic Consequences of Achieving a High-Quality Primary HealthCare System in Canada “Applying What Works in Canada: Closing the Gap” Ottawa, ON: Canadian Health Services Research Foundation; 2009.
- Kisely S, Lin E, Lesage A, Gilbert C., Smith M., Campbell C., Vasiliadis, H-M. Use of Administrative Data for the Surveillance of Mental Disorders in Five Provinces. *Can J Psychiatry.* 2009;54(8):571-575.
- Kozyrskyj A, Raymond C, Dahl M, Ekuma O, Schultz J, Sklepowich M, Bond R. *Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications*. Winnipeg, MB: Manitoba Centre for Health Policy. December 2009.
- Lau YK, Lee CE, Prior HJ, Metge CJ, Leslie WD. Fracture risk in androgen-deprivation therapy: A Canadian population based analysis. *Can J Urol.* 2009;16(6):4908-4914.
- Chochinov H, Martens PJ, Prior HJ, Fransoo R, Burland E, *The Need To Know* Team. Does a diagnosis of schizophrenia reduce rates of mammography screening? A Manitoba population-based study. *Schizophrenia Research* 2009;113:95-100.
- Martens PJ, Chochinov H, Prior HJ, Fransoo R, Burland E, *The Need To Know* Team. Are cervical cancer screening rates different for women with schizophrenia? A Manitoba population-based study. *Schizophrenia Research* 2009;113:101-106.
- Metge C, Chateau D, Prior H, Soodeen RA, De Coster C, Barré L. *Composite Measures / Indices of Health and Health System Performance*. Winnipeg, MB: Manitoba Centre for Health Policy. August 2009.
- Monitoring Committee of the Early Childhood Learning Knowledge Centre (Hertzman C, Bertrand J, Boivin M, Boyd L, Brownell M, LeBlanc J, Lachance M, Milbrath C, Williams R). *The World’s Best Infrastructure for Child Development Statistics in Canada: Strategies for Federal-Provincial-Territorial Collaboration*. Montreal, QC: Canadian Council on Learning; 2009.
- Simonet F, Wilkins R, Labranche E, Smylie J, Heaman M, Martens P, Fraser W, Minich K, Wu Y, Carry C, Luo ZC. Primary birthing attendants and birth outcomes in remote Inuit communities - a natural “experiment” in Nunavik, Quebec. *J Epidemiol Community Health* 2009 Jul;63(7):546-51.
- Strohschein L, Roos N, Brownell M. Family structure histories and high school completion: Evidence from a population based registry. *Can J Sociol* 2009; 34(1):83-103.
- Wazny LD, Raymond CB, Davis CJ. Chapter 46. Acid Base Disorders. In *Drug Induced Diseases*, 2nd Ed. Tisdale, JE, Miller DA, Eds. American Society of Health System Pharmacists, 2009

## 2.14.2 Presentations and Published Abstracts

### 2010

Bartlett J, Martens PJ, Prior H, Burland E, Burchill C, Bailly A, Sanguins J, Carter S. Using administrative data to build the Manitoba Metis population health profile. Accepted as poster presentation at: The MCHP 20th Anniversary Conference; Winnipeg, MB, March 7-8th, 2010.

Brownell M, Ens C, Roos NP. An Analytic Update from the Manitoba Centre for Health Policy: Scores on the Early Development Instrument and Selection for Reading Recovery and Results from the Child Health Atlas. (Presented at the MERN Winter Forum, 151 Harcourt St, Winnipeg, MB, January 29, 2010).

Brownell M, Kozyrskyj A, Fuchs D, Santos R. Using Administrative Data to Study Child Health. (Presented at The MCHP 20th Anniversary Conference—Going for the Gold, Monday PM Breakout Session. Hotel Fort Garry, Winnipeg, MB, March 8, 2010).

Doupe M, Shapiro E. Healthcare services for an aging population: using administrative data to help prepare for the future. Manitoba Centre for Health Policy 20th Anniversary Conference Proceedings, Winnipeg, Manitoba, March 8-9, 2010.

Finlayson GS, Lix LM, Roos LL. The Whole is Greater than the Sum of the Parts: Using Data Linkage and Cohort Designs to Create Data Synergy at MCHP. Manitoba Centre for Health Policy 20th Anniversary Conference. Winnipeg, Canada: March 2010.

Fransoo R, Martens P, Erickson T, Dick S, Malazdrewicz D, Burland E, Soltys P. The Inside Story: KT Lessons from The Need To Know Team. Presented at the MCHP 20th Anniversary Conference: Celebrating 20 Years of Health Services & Population Health Research. Winnipeg, MB, March 8, 2010.

Lemaire J, Shooshtari S, Sevenhuysen G, Cohen, B, Martens PJ. An evaluation of community health assessment in Manitoba through a health equity lens. Accepted for a poster presentation at: The Applied Health Sciences Research Day March 5, 2010; Winnipeg, MB.

Marchessault G. Panning for population gold: 20 Years of Research at MCHP. Presented at the MCHP 20th Anniversary Conference: Celebrating 20 Years of Health Services & Population Health Research. Winnipeg, MB, March 8, 2010.

Martens PJ. Media Interview: National Tobacco Strategy News Conference. Spokesperson for CPHA nationally. Winnipeg MB, January 20, 2010.

Martens PJ. Going for Knowledge Translation Gold: Research with its feet on the ground ... walking and talking. Closing plenary. Presented at the MCHP 20th Anniversary Conference: Celebrating 20 Years of Health Services & Population Health Research. Winnipeg, MB, March 9, 2010.

Martens PJ. MCHP – Who we are and what we do ... and how that can contribute to First Nations planning. Manitoba First Nations RHS Team. “MFN RHS Lessons Learned”. Brokenhead First Nation, Manitoba. March 4, 2010.

Meyer L, Raymond C, Rodrigue C. Implementation of a Self-Check Checklist for Medication Order Review. Canadian Society for Hospital Pharmacists Western Canadian Banff Seminar Conference Proceedings, Banff, Alberta, March 2010.

Prior HJ, McGowan, K, Marchessault G. MCHP: Celebrating 20 years! Poster presented at the MCHP 20th Anniversary Conference: Celebrating 20 Years of Health Services & Population Health Research. Winnipeg, MB, 2010, March.

Rach J, Doupe M. Dancing with the media – be careful not to step on your partner’s toes: the challenge of working with the media to share research finding with the public. Manitoba Centre for Health Policy 20th Anniversary Conference Proceedings, Winnipeg, Manitoba, March 8-9, 2010.

Raymond CB, Metge C, Alessi-Severini S, Dahl M, Schultz J, Guenette W. Impact of sociodemographic characteristics on prescription drug utilization. Manitoba Centre for Health Policy 20th Anniversary Conference Proceedings, Winnipeg, Manitoba, March 8-9, 2010.

Raymond CB, Wazny LD, Sood A. Update on the new Kidney Dialysis Improving Global Outcomes (KDIGO) Guidelines for mineral and bone disorders – a focus on medications. CANNT J, 2010;20(1):42-8.

Roos N, Brownell M. Resources and Insights from Monitoring Child Health & Well-Being At the Manitoba Centre for Health Policy. (Presented at the Child Health Quality Council Meeting, John Buhler Research Centre, Winnipeg, MB, February 3, 2010).

Roos N. Taking it to the Streets: What Administrative Data from Health, Education and Family Services Enables. (Presented at The MCHP 20th Anniversary Conference—Going for the Gold, Monday AM Breakout Session. Hotel Fort Garry, Winnipeg, MB, March 8, 2010).

Woloschuk DMM, Raymond CB. Multi-hospital collaboration to deliver a structured pharmacy orientation program with an emphasis on patient safety. Am J Health Syst Pharm 2010; 67:118-21.

## **2009**

Bartlett JG, Martens PJ, Bartlett J, Saguins J, Burchell, C, Prior H, Burland E, Bailly A, Carter S. Mental Health in the Metis Population in Manitoba – Examination Through a Metis Wellness Lens. Accepted for oral presentation to CPHA. Winnipeg, MB. June 7-10th, 2009.

Bartlett J, Martens PJ, Sanguins J, Burchill C, Prior H, Burland E, Bailly A, Carter S. Building a Manitoba Metis Population Health Profile Using Administrative Data. Accepted for oral presentation at NAHO National Conference, Ottawa: November 24-26, 2009.

Brownell M, Derksen S, Ekuma O, Yallop L. Socioeconomic inequalities in children’s injury rate: has the gradient changed over time? (Presented at 2009 Biennial Meeting of the Society for Research in Child Development, Denver, CO, April 4, 2009).

Brownell M, Derksen S, Schultz JN. Estimating the prevalence of autism spectrum disorders using multiple population-based data sources. (Presented at 2009 Biennial Meeting of the Society for Research in Child Development, Denver, CO, April 4, 2009).

Brownell M, Willms JD. Early predictors of childhood outcomes at school entry. (Presented at the Human Resources and Skills Development Canada Successful Transitions Conference, Ottawa, ON, April 28, 2009).

Brownell M, Derksen S, Ekuma O, Yallop L. Socioeconomic inequalities in children’s injury rates: Has the gradient changed over time? (Presented at the CIHR Institute of Human Development, Child and Youth Health. Theatre B, Basic Medical Sciences Bldg, University of Manitoba, May 19, 2009).

Brownell M. Child Health Atlas Update. Keynote Presentation. (Presented at: Working Together to Inform Policy, 6th Annual Manitoba Centre for Health Policy and Manitoba Health & Healthy Living Workshop, Winnipeg, MB, Friday, May 29, 2009).

Brownell M. Evaluation of the Manitoba Health Baby Program: A Sneak Peek.(Presented at: Working Together to Inform Policy, 6th Annual Manitoba Centre for Health Policy and Manitoba Health & Healthy Living Workshop, Winnipeg, MB, Friday, May 29, 2009).

Brownell M. Healthy Child Development. (Presented at the Canadian Public Health Association 2009 Annual Conference, Winnipeg Convention Centre, June 10, 2009).

Brownell M, Martens P, Fransoo R. Child Health Atlas Update. (Presented at the Child Health Atlas Update Workshop, Burntwood Regional Health Authority, Thompson, MB, September 18, 2009).

Brownell M, Chartier M. Data Linkage in Manitoba. (Presented at: The Early Development Imperative: A Pan-Canadian Conference on Population Level Measurement of Children's Development, The Delta Hotel, Winnipeg, MB, November 16, 2009).

Brownell M. Using Linked Administrative Databases to Study Children's Developmental Trajectories. (Presented at: The Early Development Imperative: A Pan-Canadian Conference on Population Level Measurement of Children's Development, The Delta Hotel, Winnipeg, MB, November 18, 2009).

Brownell M. How are the Kids Doing? Using Administrative Data to Monitor Child Health and Development. (Presented at the Price Waterhouse Coopers Lecture Series, Child Health Evaluative Sciences Rounds, Hospital for Sick Children, Toronto, December 7, 2009).

Brownell M. Using Linked Administrative Databases to Study Children's Developmental Trajectories. (Presented at the CEU/ICES Conjoint Evaluative Sciences Rounds, Toronto, December 8, 2009).

Burchill C, Martens PJ, Bartlett J, Prior H, Burland E, Saguins J, Bailly A, Carter S. Identifying a Metis Population in Manitoba. Accepted for oral presentation to CPHA. Winnipeg, MB. June 7-10th, 2009.

Burland E, Fransoo R, Martens PJ, The Need to Know Team, Prior HJ, Burchill C, Romphf L. The Income Gradient in Chronic Disease in Manitoba. Acceptance for poster presentation to CPHA. Winnipeg, MB. June 7-10, 2009.

Burland, E. Manitoba Centre for Health Policy (MCHP): What It Is and How It Can Facilitate Program Evaluation in Manitoba. Presented to the 'Social Work Practice in Program Evaluation' class (SWRK 7430 T01), University of Manitoba. Winnipeg Manitoba; February 10, 2009.

Dart A, Martens PJ, Rigatoo C, Brownell MC, Dean HJ, Sellers EA. Long Term Renal Outcomes in a Cohort of Manitoba Children and Adolescents with Type 2 Diabetes. American Society of Nephrology Renal Week 2009. San Diego, California: Oct 30, 2009. Poster presentation F-PO1331.

Doupe M. Levels of Care in Long Term Care report preview. Manitoba Centre for Health Policy & Manitoba Health and Healthy Living Annual Workshop, May 29, 2009.

Falk J, Raymond C. Pharmaceutical care in a prehabilitation clinic for patients undergoing elective total joint arthroplasty. Can J Hosp Pharm 2009;62(4):342.

Fransoo R, Martens P, Prior H, Katz A, Need To Know Team. Increasing asthma prevalence in children: true increase or diagnostic exchange? Accepted for oral presentation to CAHSPR. Calgary, AB. May 11-14, 2009.

Fransoo R, Martens P, Prior H, Katz A, Need To Know Team. The rising prevalence of asthma in children: true increase or diagnostic exchange? Accepted for oral presentation to CPHA. Winnipeg, MB. June 7-10th, 2009.



Haley M, Raymond CB, Nishi C, Bohm E. Drug-Related Problems in Patients Undergoing Elective Total Joint Arthroplasty of the Hip or Knee. *Can J Hosp Pharm* 2009;62(5):360-6.

Hayes C, Woloschuk D, Raymond C. A Regional Continuing Professional Development Program for Hospital Pharmacy Technicians. *Can J Hosp Pharm* 2009;62(4).

Hoepfner N, Bartlett J, Martens P, Neufeld R, Cook C, Elias B. Metis need to know too study – novel knowledge translation to bridge the research –practice gap. Accepted for oral presentation at: NAHO National Conference; November 2009; Ottawa, ON.

Jutte D, Brownell M, Roos NP, Schippers C, Boyce WT, Syme SL. Interventions to Address Child Health Disparities: Using Epidemiology and Biology to Identify Risks and Opportunities. (Presented at the San Francisco General Hospital Pediatric PLUS Grand Rounds, San Francisco, CA, April 21, 2009).

Jutte D, Brownell M, Roos NP, Schippers C, Boyce WT, Syme SL. Rethinking what's important: Biological versus social predictors of childhood health and educational outcomes. *Epidemiology* 2010;21(3):314-323.

Katz A, Martens P, Turner D, Seo B. Colorectal cancer screening: can administrative data distinguish between diagnostic FOBT/Colonoscopy and screening tests? Accepted for oral presentation to CAHSPR. Calgary, AB. May 11-14, 2009.

Lavoie JG, Prakash T, Forget E, Martens P, O'Neil J. Investissements et résultats de santé chez les Premières nations, Institut National de Santé Publique, Québec City, July 7th to 9th, 2009.

Marchessault G. Telling stories with data. Invited presentation to The Need to Know Team Workshop. Winnipeg, Manitoba. June 15, 2009.

Martens PJ (along with Chochinov H, Sareen J, chaired by Arnett J). What affects your mental health? CIHR Café Scientifique (University of Manitoba). Invited panel speaker. McNally Robinson Bookstore, Polo Park Shopping Centre. Winnipeg, MB. April 20, 2009.

Martens PJ. Evaluating the NL-CAHR "Evidence in Context" program – musings from Manitoba. Newfoundland & Labrador Centre for Applied Health Research. Invited expert to the consultation between the university centre and the government – "Evidence in Context: The CHRSP Knowledge Exchange Forum." St. John's, N/L. May 4-5, 2009.

Martens PJ, (workshop leader) Freeman J. CIHR - Graduate student workshop on writing proposals, grants and publications. CIHR Pre-conference Graduate Student Workshop at the Canadian Association for Health Services and Policy Research (CAHSPR) conference – invited workshop speaker. Calgary, Alberta. May 11, 2009.

Martens PJ, Bartlett J, Prior H, Burland E, Burchill C, Sanguins J, Huq S, Bailly A, Carter S. Uptake of preventive services by Metis people living in Manitoba - what are the predictors in a population-based study? Accepted for oral presentation to CAHSPR. Calgary, AB. May 11-14, 2009.

Martens PJ. Introductory comments from the MCHP Director. MCHP/MHHL Annual Workshop. Winnipeg, MB. May 29, 2009.

Martens PJ, Sanguins J. Metis Health report. MCHP/MHHL Annual Workshop. Winnipeg, MB. May 29, 2009.

Martens PJ, Bartlett J, Prior H, Burland E, Burchill C, Sanguins J, Huq S, Bailly A, Carter S. What are predictors of immunization for Metis people living in Manitoba? The critical importance of continuity of care in a population-based study. Accepted for oral presentation to CPHA. Winnipeg, MB. June 7-10th, 2009.

Martens PJ. The science and art of breastfeeding research: Alchemy or alloy? ILCA International Conference Plenary Speaker. Relating Evidence to Practice: An International Perspective. Orlando, Florida, USA: July 22-26, 2009.

Martens PJ, Merewood A, Heinig J. Research Design Workshop. ILCA International Conference Plenary Speaker. Relating Evidence to Practice: An International Perspective. Orlando, Florida, USA: July 22-26, 2009.

Martens PJ. Opening Plenary speaker. Turning data into knowledge and action – straw into gold? Statistics Canada Data User's Conference. Ottawa, ON. September 21, 2009.

Martens PJ. MCHP – Who we are and what we do. Community Health Sciences Colloquium. Winnipeg, MB. October 2, 2009.

Martens PJ. Research primer 101: Reading the statistics and research design sections of a publication without fear. AWHONN Canada 20th National conference – Open Skies, Open Minds, Open Hearts. Winnipeg, MB. October 15, 2009.

Martens PJ. Seeing the big picture: the science and art of breastfeeding research. Humber College. Breastmilk: A Valuable Commodity. Toronto, Ontario: October 22-23, 2009.

Martens PJ. Coming Full circle: Learning from over a decade of research with Manitobans. Humber College. Breastmilk: A Valuable Commodity. Toronto, Ontario: October 22-23, 2009.

Martens PJ. Getting in sync: Keeping information flowing – MCHP as a provincial example. Manitoba Patient Access Network. "Health Innovations: Developing & Celebrating Innovations in Healthy Living & Health Care Delivery Conference". Winnipeg, MB. November 25, 2009.

Morgan S, Raymond C, Mooney D. Variation in prescription drug use and costs across age groups and provinces in Canada. Canadian Agency for Drugs and Technology in Health Symposium, Ottawa, ON, April 5-7, 2009.

Morgan S, de Sousa N, Mooney D, Raymond C. Regional variation in prescription drug use and cost in British Columbia. Canadian Agency for Drugs and Technology in Health Symposium, Ottawa, ON, April 5-7, 2009.

Morgan SG, Hanley G, Raymond CB, Blais R. Formulary breadth, depth and agreement among provincial pharmacare programs in Canada. *Healthcare Policy* 2009;4(4):e162-84.

Prior HJ, Fransoo R, Martens PJ, The Need to Know Team, Burchill C, Burland E. Comparing the increased mortality risk among chronic diseases. Accepted for poster presentation to CPHA. Winnipeg, MB. June 7-10, 2009.

Raymond C. "Update on treatment options for calciphylaxis" – Renal Pharmacists Network Conference, Toronto, ON, April 3, 2009.

Raymond C. "Epidemiology of medication use in older adults" – University of Manitoba Centre on Aging 26th Annual Spring Research Symposium. Winnipeg, MB, May 4, 2009.

Raymond CB, Wazny LD, Sood A. Sodium thiosulfate, bisphosphonates, and cinacalcet for calciphylaxis . CANNT J, 2009; 19(4):25-8.

Raymond, CB, Wazny, LD Conversion from darbepoetin alfa to epoetin alfa for the treatment of anemia of chronic kidney disease in dialysis patients Can J Hosp Pharm 2009;62(4):341.

Roos NP, Henry D, Nakagawa B, Forbes D. Drug safety and effectiveness: real-world challenges and opportunities for health care policy, practice and research. (Presented at the 2009 Annual CAHSR Conference, Calgary, Alberta, May 12, 2009).

Roos NP, Brownell M. Using population-based data/ record linkage for understanding educational outcomes: A Canadian Perspective. (Presented to the Australian Government, Department of Education Employment and Workplace Relations (DEEWR), Canberra, Australia, September 7, 2009).

Roos NP, Brownell M. Linkage of educational records for understanding educational outcomes: A Canadian Perspective. A workshop/roundtable event at the Office of Early Childhood, Education and Child Care, Canberra, Australia, September 7, 2009).

Roos NP. Outcomes, services and policy for the reproductive and early years (OSPREGY). (Mentor presentation at the NHMRC Capacity Building Grant in Health Services Research Workshop. Sydney, Australia, Wednesday September 9, 2009).

Roos NP, Brownell M. What We've Learned: CFSIS data at the Manitoba Centre for Health Policy Repository: An Update/Overview. (Presented to the Department of Child and Family Services, 114 Garry St., Winnipeg, MB, September 21, 2009).

Roos NP, Brownell M. Equity from the Start: Investing in At-Risk Kids, Doing the Right Thing While Achieving Increased Productivity and Decreased Social Costs. (Presented at the Provincial Health Child Advisory Committee Meeting, Fort Gibraltar, Winnipeg, MB, October 7, 2009).

Roos NP, Brownell M, Jutte D. Social Risk Assessment: What's Really Important re: Children's Health & Well-being? (Presented at the Pediatric Grand Rounds, Hospital for Sick Children, Toronto, ON, October 20, 2009).

Roos NP, Brownell M, Roos LL. Key Insights for Policy and Research from an Information-Rich Environment: What Administrative Data from Health, Education and Family Services Enables. (Presented at the ICES/CEU Conjoint Evaluative Sciences Rounds, ICES, Toronto, ON, October 20, 2009).

Roos N, Brownell M, Jutte D. Social Risk Assessment: What's Really Important re: Children's Health & Well-being? (Presented at the Pediatric Grand Rounds, Hospital for Sick Children, Toronto, ON, October 21, 2009).

Roos NP. Another Way to Think about the Royal College's Advocacy Requirement: Social Risk Assessment: What's really important regarding children's health & wellbeing? (Presented at Pediatric Grand Rounds, Theatre A, Basic Medical Sciences Bldg, University of Manitoba, October 29, 2009).

Roos NP, Brownell M. Needed: Investment in At-Risk Kids Doing the Right Thing While Achieving Increased Productivity and Decreased Social Costs. (Presented at the Deputy Ministers of Social Services Meeting, Delta Hotel, Winnipeg, MB, November 23, 2009).

Roos NP, Brownell M. Urgence: Investir dans les enfants à risque Faire ce qu'il faut tout en augmentant la productivité et en diminuant les coûts sociaux. (Presented at the Deputy Ministers of Social Services Meeting, Delta Hotel, Winnipeg, MB, November 23, 2009).

Roos NP. Social Risk Factors: What's Really Important to Children's Health and Well-Being .(Presented at the Royal Society of Canada, Academy III Induction Reception, Ottawa, ON, November 29, 2009).

Roos NP. Focusing on the Health and Well-Being of At-Risk Kids: Both in Manitoba and Down-Under. (Presented at the Department of Community Health Sciences Noon Colloquium Series, University of Manitoba, Friday, December 11, 2009).

Roos NP. Working with Routinely Collected Education Data: Opportunities for Research at the Manitoba Centre for Health Policy. (Presented to the Faculty of Education, University of Manitoba, December 10, 2009).

Sanguins J, Bartlett JG, Martens PJ, Carter S, Burchell C, Prior H, Burland E, Bailly A. The Metis Health Status and Services Utilization Study: Using Partnerships to Develop a Baseline for the Future. Accepted for oral presentation to CPHA. Winnipeg, MB. June 7-10th, 2009.

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Sood AR, Wazny LD, Raymond CB, Leung K, Komenda P, Reslerova M, Verrelli M, Rigatto C, Sood M. A sodium thiosulfate based treatment approach does not appear to improve one year mortality in calcific uremic arteriolopathy. Canadian Society Nephrology Conference, Edmonton AB, May 2009, Can J Hosp Pharm 2009;62(4):337.

Strohschein L, Roos N, Brownell M. Family structure histories and high school completion: Evidence from a population based registry. Can J Sociol 2009; 34(1):83-103.

Wazny LD, Raymond CB, Do MK, Skwarchuk DE. Reduced drug costs from switching hemodialysis patients from epoetin alfa in multi-dose vials to pre-filled syringes. CANNT J. 2009;19(3):39-41.

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## 3.0 PEOPLE

### 3.1 MCHP Executive Committee Members

**Patricia Martens**, Director, Professor, Senior Research Scientist

**Alan Katz**, Associate Director - Research, Associate Professor, Senior Research Scientist

**Mark Smith**, Associate Director - Repository, Research Scientist

**Paulette Collins**, Chief Administrative Officer

**Carole Ouelette**, Executive Assistant and Office Manager

### 3.2 MCHP Faculty and Staff

The following is a list of all staff who worked at MCHP at any point between April 1, 2009 and March 31, 2010.

#### Director

**Patricia Martens**, Director, Professor, Senior Research Scientist

#### Research Scientists

**Marni Brownell**, Senior Research Scientist; Assistant Professor – University of Manitoba

**Mariette Chartier**, Research Scientist; Assistant Professor – University of Manitoba

**Dan Chateau**, Research Scientist/Statistician; Research Associate – University of Manitoba

**Malcolm Doupe**, Senior Research Scientist; Assistant Professor – University of Manitoba

**Greg Finlayson**, Research Scientist; Research Associate – University of Manitoba

**Randy Fransoo**, Research Scientist; Assistant Professor – University of Manitoba

**Allan Garland**, Research Scientist; Associate Professor, University of Manitoba; Internist, WRHA

**Maureen Heaman**, Research Scientist; Professor - University of Manitoba

**Tim Hilderman**, Research Scientist; Medical Officer of Health - Manitoba Health

**Alan Katz**, Associate Director – Research; Senior Research Scientist; Associate Professor – University of Manitoba

**Gail Marchessault**, Research Scientist

**Patricia Martens**, Director; Senior Research Scientist; Associate Professor – University of Manitoba

**Colleen Metge**, Research Scientist; Associate Professor – University of Manitoba

**Colette Raymond**, Research Scientist; Clinical Assistant Professor – University of Manitoba; Clinical Pharmacist – WRHA

**Leslie Roos**, Founding Director; Senior Research Scientist; Professor – University of Manitoba

**Noralou Roos**, Founding Director; Senior Research Scientist; Professor – University of Manitoba

**Rob Santos**, Research Scientist; Scientific Director – Healthy Child Manitoba

**Evelyn Shapiro**, Senior Research Scientist; Professor and Senior Scholar – University of Manitoba

**Mark Smith**, Associate Director – Repository; Research Scientist

#### Research Coordinators

**Elaine Burland**, Research Project Coordinator

**Kari-Lynne McGowan**, Research Project Coordinator

**Jennifer Schultz**, Research Project Coordinator

**Ruth-Ann Soodeen**, Lead Research Project Coordinator

## Research Assistants

**Eileen Bell**, Research Assistant  
**Kaan Berk**, Research Assistant  
**Songul Bozat-Emre**, Research Assistant  
**Carla Ens**, Research Assistant  
**Brett Hiebert**, Research Assistant  
**Ashton Hurley**, Research Assistant  
**Meycee Kalaw**, Research Assistant  
**Tyler Oswald**, Research Assistant  
**Leanne Rajotte**, Research Assistant  
**Janelle deRocquigny**, Research Assistant  
**Linda Romphf**, Research Assistant  
**Souradet Shaw**, Research Assistant  
**Deepa Singal**, Research Assistant  
**Stephanie Smith**, Research Assistant  
**Pearl Soltys**, Research Assistant  
**Lauren Yallop**, Research Assistant

## Data Acquisition

**J. Patrick Nicol**, Lead Data Acquisition Officer  
**William Peeler**, Data Acquisition Officer

## Data Documentation and Access

**Jo-Anne Baribeau**, Repository Access Coordinator  
**Ruth Bond**, Manager of Repository Access and Documentation  
**Ken Turner**, Repository Data Analyst

## Programming, Systems Development, Security and Information Technology

**Wendy Au**, Data Analyst  
**Bogdan Bogdanovic**, Data Analyst  
**Charles Burchill**, Manager, Program & Analysis Systems  
**Hui Chen**, Data Analyst  
**Matthew Dahl**, Data Analyst  
**Shelley Derksen**, Data Analyst  
**Natalia Dik**, Data Analyst  
**Oke Ekuma**, Data Analyst  
**Don Fotti**, IT Support  
**Shamima Huq**, Data Analyst  
**Leonard MacWilliam**, Data Analyst  
**Phongsack Manivong**, Data Analyst  
**Rod McRae**, IT Manager  
**Heather Prior**, Data Analyst  
**Jundong Song**, IT Support  
**Randy Walld**, Data Analyst  
**Marina Yogendran**, Data Analyst

## Communications

**Jack Rach**, Communications Officer

## Research Support

**Angela Bailly**, Research Support

**Theresa Daniuk**, Research Support

**Sara Dueck**, Research Support

**Wendy Guenette**, Research Support

**Jasmine Haridy**, Research Support

**Shannon Lussier**, Research Support

**Shelley Mangiacotti**, Research Support

## Finance

**Ariel Bautista**, Grants Accountant

**Sophie Buternowsky**, Senior Grants Accountant

**Kirstin Giroux**, Grants Accountant

**Linda Kostiuk**, Grants Accountant

**Sherry Laplante**, Senior Grants Accountant

## 3.3 Special Awards and Honours

### 2010

- William Leslie (Co-Authors: Lisa Lix, Colleen Metge, Heather Prior): Bruce Squires Award
- Patricia Martens: CHSRF HSRAA Award Nominee
- Patricia Martens: YMCA/YWCA Woman of Distinction Award for the Health & Wellness category Nominee

### 2009

- Patricia Martens: CHSRF Health Services Research Advancement Award Nominee
- Noralou Roos: Elected to the Life Sciences Division, Academy of Science of the Royal Society of Canada, June, 2009.

## 3.4 Advisory Board Members

The role of the Advisory Board is to develop a broad perspective on problems confronting our health system and to provide potential solutions to these problems. The Advisory Board also serves to advise and assist the Manitoba Centre for Health Policy to determine an appropriate set of activities to meet MCHP goals and objectives; and to assure the long-term viability of MCHP by meeting 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, 2010.

### Chair:

**Brian Postl**, M.D., Chief Executive Officer, Winnipeg Regional Health Authority

### Ex Officio Members:

**Sharon Macdonald**, Dept Head, Community Health Sciences, Faculty of Medicine, University of Manitoba

**Patricia Martens**, Director, Manitoba Centre for Health Policy

**Tannis Mindell**, Treasury Board, Province of Manitoba

**Leslie Roos**, Founding Director, Manitoba Centre for Health Policy

**Noralou Roos**, Founding Director, Manitoba Centre for Health Policy

**Dean Sandham**, Dean, Faculty of Medicine, University of Manitoba

**Arlene Wilgosh**, Deputy Minister of Health



### Appointees of Manitoba Health

**Martin Billinkoff**, Deputy Minister, Family Services and Housing

**Harvey Bostrom**, Deputy Minister, Aboriginal and Northern Affairs

**John Clarkson**, Deputy Minister, Manitoba Energy, Science and Technology

**Gerald Farthing**, Deputy Minister, Education, Citizenship and Youth

**Heather Reichert**, Deputy Minister, Advanced Education and Literacy

**Monique Vielfaure Mackenzie**, Chief Executive Officer, South Eastman RHA

### Appointees of the University of Manitoba

**David Collins**, PhD, Dean & Professor, Faculty of Pharmacy, University of Manitoba

**Joanne Keselman**, PhD, Vice President, Academic, University of Manitoba.

**Fraser Mustard**, MD, PhD., O.C., President, The Founder's Network, Toronto

**Luis Oppenheimer**, MD, Provincial Director of Patient Access, WRHA.

**Leonard Syme**, PhD, Professor of Epidemiology and Community Health (Emeritus) University of California, Berkeley

**Mark Taylor**, MD, former Vice President Medical Affairs, Lakeridge Health Corporation

## 3.5 MCHP Adjunct Scientists

The designation of Adjunct Scientist at the Manitoba Centre for Health Policy was created to recognize the valuable contribution made to its research by external participants. Adjunct Scientists are involved in collaborative research with an MCHP Research Scientist, 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 Scientists in framing research questions, interpreting results of particular analyses and advising on the policy implications of the findings.

**Fred Aoki**, MD, Professor, Departments of Medical Microbiology/Internal Medicine/Pharmacology and Therapeutics, University of Manitoba, Assistant Dean (admissions), Faculty of Medicine

**Judith Bartlett**, MD, MSc, CCFP, FCFP, Director, Health and Wellness Department, Manitoba Métis Federation, Associate Professor, Department of Community Health Science, Faculty of Medicine, University of Manitoba

**Charlyn Black**, MD, ScD, Senior Faculty Member, 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

**Janet Currie**, PhD, Sami Mnyamneh Professor of Economics and chair, Department of Economics, Columbia University

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

**Carolyn De Coster**, PhD, Senior Researcher, Health Outcomes, Calgary Health Region; Assistant Professor, Department of Community Health Sciences, Universities of Manitoba and Calgary.

**Brenda Elias**, PhD, Assistant Professor, Co-Director, Centre for Aboriginal Health Research, University of Manitoba

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

**Norman Frohlich**, PhD, Professor Emeritus, I.H. Asper School of Business; Adjunct Professor, Department of Social and Preventive Medicine, Université de Montréal.

**Allan Garland**, MD, MA, Associate Professor, Internal Medicine, Department of Community Health Sciences, University of Manitoba

**Maureen Heaman**, RN, PhD, Associate Professor and Associate Dean, Research, Faculty of Nursing, Director, Manitoba Centre for Nursing and Health Research, University of Manitoba

**Tim Hilderman**, MD, FRCPC, Director, Community Medicine Residency Program; Assistant Professor, Community Health Sciences

**Philip Jacobs**, D Phil, CMA, Professor, Department of Medicine (Gastroenterology), University of Alberta

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

**Anita Kozyrskyj**, PhD, Research Chair, Maternal-Child Health and the Environment, Associate Professor, Department of Pediatrics, University of Alberta

**Meir Kryger**, MD, FRCPC, Director, Sleep Medicine Research and Education, Gaylord Hospital, Wallingford, CT

**Barbara Law**, MD, FRCPC, Chief Vaccine Safety, Surveillance and Outbreak Response Division, Centre for Immunization and Respiratory Infectious Diseases

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

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

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

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

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

**Steve Morgan**, PhD, Associate Professor, School of Population and Public Health; Associate Director, Centre for Health Services and Policy Research, University of British Columbia

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

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

**John O'Neil**, PhD, Professor and Dean, Faculty of Health Sciences, Simon Fraser University

**Robert Penfold**, PhD, Principal Investigator, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio

**Rolf Puchtinger**, Epidemiologist, Chronic Disease Branch, Manitoba Health

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

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

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

**Chelsea Ruth**, MD, FRCPC, Assistant Professor of Paediatrics, Section of Neonatology, University of Manitoba; Assistant Medical Director Intermediate Care Nursery, Medical Director Manitoba Rh Program.

**Phil St. John**, MD, MPH, Acting Head, Section of Geriatrics, Assistant Professor, Department of Internal Medicine, University of Manitoba

**Rob Santos**, PhD, Scientific Director and Senior Policy Advisor, Healthy Child Manitoba Office, Healthy Child Committee of Cabinet, Government of Manitoba; and Assistant Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba Center For Health Policy

**Shahin Shooshtari**, PhD, Assistant Professor, Departments of Family Social Sciences, and Community Health Sciences, University of Manitoba; Researcher, St. Amant Research Centre

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

**Mark Stabile**, PhD, Associate Professor, School of Public Policy & Governance, University of Toronto

**Leonie Stranc**, PhD, Coordinator, Surveillance and Information, Public Health Division, Manitoba Health

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

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

**Diane Watson**, PhD, CEO, Bureau of Health Information, New South Wales, Australia

## 3.6 Collaborators

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

**Tracie Afifi**, Department of Community Health Sciences, University of Regina

**Silva Alessi-Severini**, Faculty of Pharmacy, University of Manitoba

**Rubab Arim**, Ottawa Hospital Research Institute

**Jennifer Baker**, Healthy Living Coordinator of Primary Health Care & Aboriginal Health, Central Regional Health Authority

**Robert Balogh**, Graduate Student, University of Toronto

**Hilary Bambrick**, Visiting Fellow, National Centre for Epidemiology and Population Health, Australia National University

**Judy Bartlett**, University of Manitoba, and Manitoba Metis Federation

**John Beilby**, Department of Clinical Biochemistry at PathWest, Nedlands and Adjunct Associate Professor in the Department of Surgery and Pathology, University of Western Australia

**David Ben-Tovim**, School of Medicine, Flinders Medical Centre

**Sasha Bernatsky**, Department of Medicine, McGill University

**Jane Bertrand**, Early Childhood Education, Ryerson University

**Robert Biscontri**, Department of Accounting and Finance, I H Asper School of Business, University of Manitoba

**Eric Bohm**, Department of Surgery, Faculty of Medicine, University of Manitoba

**Michel Boivin**, School of Psychology, Laval University

**Gillian Booth**, Division of Endocrinology & Metabolism, St. Michaels Hospital, Toronto

**Sarah Bowen**, Department of Public Health Sciences, University of Alberta

**Leanne Boyd**, Manager of Policy Development, Research and Evaluation, Healthy Child Manitoba

**Ioana Bratu**, Pediatric General Surgery, Stollery Children's Hospital, Edmonton

**Gemma Briggs**, PhD Student, Department of Community Health Sciences, University of Manitoba

**Chris Burnett**, Manitoba Health

**Sheila Carter**, Manitoba Metis Federation

**Harvey Chochinov**, Faculty of Medicine, University of Manitoba, and Manitoba Palliative Care Research Unit, CancerCare Manitoba

**Bernard Choi**, Public Health Agency of Canada, Health Canada

**Cathy Cook**, Centre for Aboriginal Health Research, University of Manitoba, Winnipeg Regional Health Authority

**Andrew L Cooke**, Head of Radiation Oncology, CancerCare Manitoba

**Brian Cox**, Department of Psychiatry, Faculty of Medicine, University of Manitoba

**Susan Dahinten**, School of Nursing, University of British Columbia

**Allison Dart**, Graduate Student, Pediatric Nephrology, Health Sciences Centre, Winnipeg, Manitoba

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

**Marc Del Bigio**, Department of Pathology, Faculty of Medicine, University of Manitoba

**Habtu Demsas**, Selkirk Medical Centre

**Dhali H.S. Dhaliwal**, President and Chief Executive Officer, CancerCare, Manitoba

**Jeanette Edwards**, Regional Director, Primary Health Care, Winnipeg Regional Health Authority

**Brenda Elias**, Centre for Aboriginal Health Research, University of Manitoba

**Murray Enns**, Department of Psychiatry, Faculty of Medicine, University of Manitoba

**Don Fuchs**, Faculty of Social Work, University of Manitoba

**Melissa Fuerst**, Dietician, Department of Family Medicine, St. Boniface General Hospital

**Hugh Grant**, Department of Economics, University of Winnipeg

**Eva Grunfeld**, Department of Medicine, Nova Scotia Health

**David Grynspan**, Department of Pathology, Faculty of Medicine, University of Manitoba

**Mary Haines**, The Sax Institute, University of Technology (Sydney, Australia)

**Paul Hakendorf**, Faculty of Health Sciences, Flinders University, South Australia

**Greg Hammond**, Cadham Provincial Lab, Manitoba Health

**Ana Hanlon-Dearman**, Department of Pediatrics & Child Health, Faculty of Medicine, University of Manitoba/Children's Hospital

**Marion Harrison**, CancerCare Manitoba

**Duane Hartley**, Charleswood Medical Clinic

**Clyde Hertzman**, Human Early Learning Partnership (HELP), University of British Columbia

**Ron Hikel**, Hampshire Consulting, (Toronto, Ontario)

**Douglas Hobson**, Department of Internal Medicine, Faculty of Medicine, University of Manitoba, and Manitoba Movement Disorders Clinic

**Jeanette Holden**, Department of Psychiatry, Queen's University

**D'arcy Holman**, School of Population Health, University of Western Australia

**Chris Holton**, Faculty of Health Sciences, University of Adelaide

**Derek Hum**, Department of Economics, University of Manitoba

**Robert C. James**, Private Scholar

**Jon Karnon**, Faculty of Health Sciences, University of Adelaide

**Linda Kawa**, Ambulatory Care Program, Brandon Regional Health Center

**Gerald Konrad**, UPCON Lead Physician, Family Medical Center, St. Boniface General Hospital

**Yatish Kotecha**, Assiniboine Clinic

**Mark Kristjanson**, Kildonan Medical Centre, Seven Oaks General Hospital

**Jeff Kwong**, Graduate Student, University of Toronto

**Marc Lachance**, Canadian Council on Learning

**Josee Lavoie**, Department of Community Health Sciences, University of Northern British Columbia

**John LeBlanc**, Department of Psychiatry, Dalhousie University

**Yahong Li**, Department of Epidemiology, University Hospital, Saskatoon

**Richard Lobdell**, Department of Economics, University of Manitoba

**Zhong-Cheng Luo**, Department of Obstetrics and Gynecology, Hospital Sainte Justine, University of Montreal

**Susan McClement**, Manitoba Palliative Care Research Unit, CancerCare Manitoba

**Janelle Mann**, Graduate student, Queen's University

**Trina Mathison**, Physician, Dauphin Medical Clinic

**Constance Milbrath**, Human Early Learning Partnership (HELP), University of British Columbia

**Rachael Moorin**, Centre for Health Services Research, University of Western Australia

**Suzanne Morin**, Research Institute of the McGill University Health Centre (RI MUHC), McGill University

**Alan Mutch**, Department of Anesthesia, Faculty of Medicine, University of Manitoba

**Paul Nyhof**, Health Links-Info Sante, Misericordia Hospital

**Helene Ouellette-Kuntz**, Department of Community Health & Epidemiology, Queen's University

**Payam Pahlavan**, St. Boniface General Hospital

**Sunil Patel**, Gimli Community Health Centre

**David Preen**, Centre for Health Services Research, University of Western Australia

**Cheryl Rockman-Greenberg**, Department of Pediatrics & Child Health Administration, University of Manitoba

**Christine Roberts**, Kolling Institute of Medical Research, University of Sydney

**Philip Ryan**, Faculty of Health Sciences, University of Adelaide

**Elizabeth A Salamon**, University of Manitoba, St. Boniface General Hospital

**Julianne Sanguins**, University of Manitoba, Manitoba Metis Federation

**Jitender Sareen**, Department of Psychiatry, University of Manitoba

**Ruth Simkin**, Health Action Centre, CancerCare Manitoba

**Judy Simpson**, School of Public Health, University of Sydney

**Wayne Simpson**, Department of Economics, University of Manitoba

**Harminder Singh**, Section of Gastroenterology, Faculty of Medicine, University of Manitoba

**Jeff Sisler**, Primary Care Oncology, CancerCare Manitoba

**Dawn Smith**, Faculty of Health Sciences, School of Nursing, University of Ottawa

**Janet Smylie**, Department of Family Medicine, University of Ottawa

**Matthew J Stargardter**, Prairie Research Associates

**Maira Stewart**, Centre for Studies in Family Medicine, Schulich School of Medicine and Dentistry, University of Western Ontario

**Lisa Strohschein**, Department of Sociology, University of Alberta

**Alan M Tenenhouse**, Emeritus Professor of Medicine, McGill University

**Karen Toews**, Rural Family Physician, CCPN Physician, Steinbach Family Medical Center

**Donna Turner**, Epidemiology and Cancer Registry, CancerCare Manitoba

**Russell Wilkins**, Statistics Canada

**Robin Williams**, Medical Officer of Health, Niagara Region, St. Catharines Ontario

**Cornelius Woelk**, Family Physician, Dr. C.W. Wiebe Medical Centre

**Mavis Wood**, Parkland Regional Health Authority

**Angela Woollacott**, Department of Modern History, Politics, International Relations and Security, MacQuarie University, New South Wales, Australia

**Jianhong Wu**, Department of Mathematics and Statistics, York University



## 3.7 Committees

### Marni Brownell

- Member, Maternal and Child Health Strategy (MACHS) Initiative, Information Repository Work Group
- Chair, Institute of Population and Public Health Knowledge Translation Strategic Advisory Subgroup
- Member, Advisory Board of the Canadian Institutes of Health Research (CIHR), Institute of Population and Public Health
- Member, Advisory Committee on the Development of an Economic Impact Model for Fetal Alcohol Spectrum Disorder
- Member, Early Childhood Information and Data Strategy Sub-Committee
- Robert Wallace Chair in Evidence-Based Child Health Search Committee, Faculty of Medicine, University of Manitoba
- Member, Peer Review Committee, Canadian Institutes of Health Research (CIHR) for operating grants “Intervention Research (Healthy Living and Chronic Disease Prevention)” launched by the Institutes of Nutrition, Metabolism & Diabetes (INMD), Population & People’s Health (IPPH) and Aboriginal People’s Health (IAPH).
- Member, Provincial Public Health Statistical System committee, Province of Manitoba
- Member, College of Reviewers for the Canada Research Chairs Program
- Member, Early Childhood Learning Knowledge Centre Committee
- Member, Manitoba Centre for Health Policy Research Funding Committee
- Member, St. Amant Centre Community Research Advisory Committee

### Malcolm Doupe

- Organizing Committee Member, Canadian Association on Gerontology 38th Annual Scientific Meeting. October 22-24, Winnipeg, Manitoba.
- Acting Site Director, Western Regional Training Program, University of Manitoba.
- University Representative, Health Information Privacy Committee, Manitoba Health
- Member, Community Health Sciences, Faculty of Medicine, BSc Medicine Student Selection Committee
- Manitoba Centre for Health Policy Representative and Organization Member, Manitoba Institute for Patient Safety, Inc.
- Member, Executive Committee, Department of Community Health Sciences

### Greg Finlayson

- Director, Carolyn Sifton Foundation Inc.
- Member, Canadian Hospital Reporting Project Expert Working Group, Canadian Institute for Health Information
- Member, Diagnostic Services of Manitoba Research and Innovation Funding Committee
- Reviewer, Canadian Association of Public Health Conference Abstracts
- Reviewer, Healthcare Policy
- Reviewer, Source Code for Biology and Medicine
- Member, American Public Health Association, US Lifeguarding Standards Coalition
- Student Senator, University of Illinois at Chicago
- Member, University of Illinois at Chicago Committee on Research
- Advisory Board Member, Encyclopedia of Health Services Research

### Randy Fransoo

- Member, CIHI advisory group on health indicators for sparsely populated RHAs
- Department of Community Health Sciences Executive Committee
- Cardiac Health And Research in Manitoba (CHARM) group
- Manitoba Critical Care / Respiratory Research Group
- Manitoba Community Health Assessment Network
- Manitoba Early Child Development Advisory Committee
- Volunteer Board of Directors, Carter Daycare Inc

### Alan Katz

- Member, CancerCare Manitoba Guidelines Implementation Steering Committee
- Member, Chartbook on Quality Healthcare advisory committee; Canadian Health Services Research Foundation
- Member, Canadian Doctors for Medicare
- Executive Committee Member, Centre for Healthcare Innovation
- Board Member, Health in Common
- Member, eHealth Research Advisory Committee
- Member, Physician Integrated Advisory Group
- Chair, Communications and Knowledge Translation Committee, Canadian Primary Care Sentinel Surveillance Network
- Co-Chair, MCHP 20<sup>th</sup> Anniversary Conference Committee

### Patricia Martens

- Member, Mental Health Commission of Canada – Risk Analysis Expert Working Group
- Member, CIHI Expert Advisory Group on Sparsely Populated Areas
- Member, CIHI Expert Analytic Advisory Group
- Member, CHSRF Governance Committee
- Co-Chair, PHIRNET STIHR: Governance & Partnership Development Committee
- Member, Winnipeg Health Sciences Centre Birth Centre Advisory Committee
- Chair (scientific), Canadian Public Health Association National Conference (June 7-10, 2009)
- Interviewer for the Admissions to Faculty of Medicine (MMI)
- Committee Member, CIHR IPPH Summer Institute for Graduate Students
- Member, International Lactation Consultant Association (ILCA) Research Committee
- Member, Physician Integrated Network Indicator Advisory Group, Manitoba Health
- Member, Presidential Advisory Committee for the Appointment of a Vice-President (Research)
- Member, Manitoba E-Health Research Advisory Committee
- Organizer and Chair, MCHP's 16th Annual Rural & Northern Health Care Workshop. Winnipeg, MB (October 27th, 2009).
- Member, Science Advisory Committee of the Mental Health Commission of Canada
- Vice-Chair and member, Institute Advisory Board, Institute of Population and Public Health, CIHR
- Member, Senate Committee on University Research, University of Manitoba
- Member, Centres for Research Development (CRD) Program Evaluation Advisory Group, CIHR IPPH
- Member, Network of Centre Directors in Health Services and Policy Research (CIHR IHSPR, CHSRF, CAHSPR).
- Editorial Review Board member, Journal of Human Lactation
- Member, Executive Committee, Department of Community Health Sciences

- Member, Aboriginal Capacity and Development Research Environments Review/Advisory Committee, through the Manitoba First Nation Centre for Aboriginal Health Research
- Individual expert member, Breastfeeding Committee for Canada
- Expert advisor, Baby Friendly Coordinating Committee of Manitoba, Manitoba Health and the Regional Health Authorities

### Colleen Metge

- Member, Senate Committee on Awards (SCOA), University of Manitoba
- Member, Association of Faculties of Pharmacy of Canada (AFPC) Program Evaluation Task Force
- Member, American Association of Colleges of Pharmacy
- Member, Association of Faculties of Pharmacy in Canada
- Chair, Canadian Teachers of Pharmacy Administration
- Member, Canadian Association of Population Therapeutics (CAPT)
- Member, Expert Advisory Committee for the Vigilance of Health Products (Health Canada)
- Member, International Society for Pharmacoepidemiology
- Alumni Member, Lambda Kappa Sigma

### Leslie Roos

- Member, College of Reviewers, Canada Research Chairs Program
- Member, Support to the Alberta Laboratory

### Noralou Roos

- Member, Provincial Healthy Child Advisory Committee, Healthy Child Manitoba
- International Faculty Member of the Robert Wood Johnson Health and Society Scholars Program, Universities of San Francisco and Berkeley
- Member, United Way Board of Trustees
- Member, University of Manitoba Bannatyne Campus Research Ethics Board
- Chair, Promotion and Tenure Committee, Department of Community Health Sciences, University of Manitoba
- Member (Scientist), Manitoba Institute of Child Health (MICH)

### 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

### Mark Smith

- Member, Manitoba Centre for Health Policy Administrative Management Committee
- Member, Manitoba Centre for Health Policy Executive Management Committee
- Member, Manitoba Centre for Health Policy Data Management Committee
- Chair, Manitoba Centre for Health Policy Repository Management Committee
- Member, Manitoba Chronic Disease Surveillance Advisory Committee
- Member, Outcomes Research Task Force (ORTF), National Hypertension Surveillance Strategy, Public Health Agency of Canada
- Member, Drug Evaluation Alliance of Nova Scotia (DEANS), Nova Scotia Department of Health

## 4.0 FINANCE

In addition to the \$2.325 million in funding received from Manitoba Health (as detailed in Figure 1), MCHP researchers continued to be successful in receiving career awards and research grants in peer-reviewed competitions. MCHP operating funds available from these other sources for 2009/2010 fiscal year totalled approximately \$2.156M (Figure 2).

### 4.1 Endowments/Gifts - New & Ongoing

#### Endowed Chair in Child Health

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

#### Evelyn Shapiro Health Services Research Award

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

#### The Lupina Foundation Gift

A gift of \$685,000 over the period July 2005 to June 2010 for the project, "Research Knowledge Transfer—A Web-Based Concept Dictionary." This funding will enable MCHP to expand its documentation on healthcare costing methods and prescription drug utilization, and to facilitate national and international collaborations on these and other methodological issues.

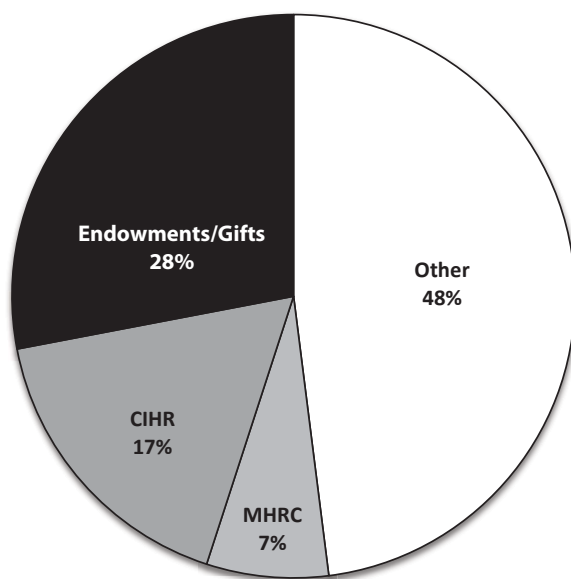
#### Personnel Awards

- Alan Katz: Clinical Research Professorship in Population Health, Manitoba Medical Services Foundation Award, 2006–2009, \$150,000
- Patricia Martens: CIHR/PHAC Applied Public Health Chair, 2008–2013, \$120,000 per year

Figure 1: Manitoba Centre for Health Policy's Manitoba Health Budget, April 1, 2009 – March 31, 2009

<b>Manitoba Centre for Health Policy</b>	
<b>Salaries</b>	
Staff	\$1,707,370.23
Staff Benefits	244,157.25
Payroll Levy	36,572.97
External Contracts	118,020.44
<b>Salaries Subtotal</b>	<b>\$2,106,120.89</b>
<b>Other Expenditures</b>	
General Office Expenses	\$90,994.43
Equipment	
Purchases	79,819.09
Maintenance	27,847.52
Travel	20,218.07
<b>Other Expenditures Subtotal</b>	<b>\$218,879.11</b>
<b>TOTAL EXPENDITURES</b>	<b>\$2,325,000.00</b>

Figure 2: Additional operating funds available in 2009/2010



**Endowments/Gifts:**

Energy, Science & Technology Endowed Chair in Child Health  
The Lupina Foundation  
Evelyn Shapiro Award for Health Services Research



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OF MANITOBA | Medicine  

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Community Health Sciences

The Manitoba Centre for Health Policy  
Department of Community Health Sciences  
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Policy