

2011/12 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.

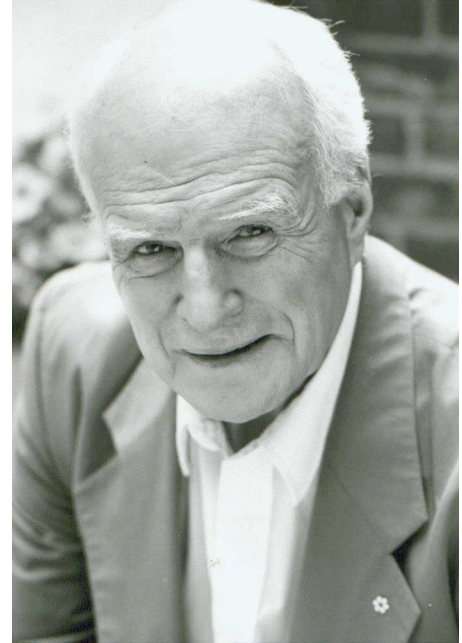
MCHP complies with all legislative acts and regulations governing the protection and use of sensitive information. We implement strict policies and procedures to protect the privacy and security of anonymized data.

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 five major research projects every year under contract to Manitoba 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.

Faculty of Medicine
Community Health Sciences



UNIVERSITY
OF MANITOBA



Dr. Fraser Mustard | 1927-2011

The Manitoba Centre for Health Policy mourns the loss of one of its Advisory Board members, Dr. Fraser Mustard. Since its inception in 1991, Dr. Mustard has been a member of MCHP's board and was instrumental in its formation. At 84, he passed away at his home on November 16, 2011. He will be greatly missed.

It seems fair to say that Dr. Mustard catalyzed the formation of MCHP. In the late 1980s, Dr. Mustard was already a larger-than-life figure. Formerly vice-president and one of the founders of the Faculty of Health Sciences at McMaster University (1972–1982), his widely recognized accomplishments resulted in more than 15 honorary degrees, induction into the Medical Hall of Fame, being made a Companion of the Order of Canada and the Order of Ontario. He influenced health policy in Canada through service on many federal and provincial committees, councils, and royal commissions. He had the ear of health ministers across the country, not to mention many of the senior people in the Manitoba government and at the University of Manitoba.

Dr. Mustard played a significant role in the first meeting between Drs. Noralou and Leslie Roos and the provincial Minister of Health at the time, Don Orchard. After speaking with some of Canada's provincial health ministers where Dr. Mustard explained research advantages of Manitoba data, Mr. Orchard invited Dr. Mustard to Winnipeg. At the last minute, Drs. Noralou and Leslie Roos were asked to join them, where Dr. Mustard explained how powerful the administrative data was that the Roos were using. When things wrapped up, the province committed to the first three years of funding for the establishment of MCHP.

Dr. Mustard's influence spanned medical research and education, multidisciplinary advanced research and early childhood development and has inspired generations of students, scholars, and policy-makers around the world. He was highly regarded for his ability to bring together experts from diverse fields to promote research that guided public policy.

2011/12 highlights

Noralou Roos inducted into the Canadian Academy of Health Sciences

Fellows of the Academy are elected by their peers on the basis of their demonstrated leadership, creativity, distinctive competencies and commitment to advance academic health sciences. Membership is considered one of the highest honours for members of the Canadian health sciences community and carries with it a covenant to serve the Academy and Canadian society. CAHS, like the Institute of Medicine in the United States, is positioned to provide advice on the most pressing health issues relevant to our society.

Noralou Roos founded the Manitoba Centre for Health Policy and created a population database for understanding why some people are healthy and others are not. She received funding from the Canada Foundation for Innovation to create Canada's first data laboratory and was awarded a Tier I Canada Research Chair in Population Health. Citations to Roos' work place her among the top 100 Canadian scientists (all fields, all institutions) according to The Institute of Scientific Information. She was a member of the Prime Minister's National Forum on Health, the Medical Research Council, the Council setting up the Canadian Institutes for Health Research and awarded the Order of Canada.



Government of Canada announces funding for Manitoba project that supports positive mental health

Through the Public Health Agency of Canada's Innovation Strategy, this funding seeks to improve the mental health of vulnerable populations in communities across Canada. The announcement, made in June, provides over \$2.7 million to support a collaborative mental health promotion project designed to improve the mental health and coping capacity of new mothers in Manitoba. It will support the Towards Flourishing Mental Health Promotion Strategy within Manitoba's Families First Home Visiting program. This innovative initiative, a collaboration between Healthy Child Manitoba, the Winnipeg Regional Health Authority and the University of Manitoba, focuses on positive mental health, uses simple and practical activities and links families to community and health resources.

The project is led by Dr. Mariette Chartier, a research scientist at MCHP, and will directly touch the lives of children, youth and families at risk. Towards Flourishing will also have a far-reaching impact by ensuring the people available to help those at risk have the necessary training and skills.

More information can be found here:

http://www.phac-aspc.gc.ca/media/nr-rp/2011/2011_0608-mb-eng.php

Health Inequity Study Aimed to Impact the Lives of Manitoba's Children

The Honourable Leona Aglukkaq, Minister of Health, announced funding to support the research project, "PATHS Equity for Children: A Program of Research into What Works to Reduce the gaps for Manitoba's Children" at a news conference in August at the University of Manitoba's Bannatyne Campus.

MCHP's director, Dr. Patricia Martens, will lead the project that includes a team of 16 researchers at the University of Manitoba as well as throughout Canada and the USA. In addition, partners from nine government ministries, the Healthy Child Manitoba Initiative, all eleven regional health authorities within the province and the United Way are also involved in the research.

The objective of this collaborative project is to work with those at the front line of programs and policies, to help interpret the results within context, and to then translate the research findings into evidence informed policies and programs to reduce the gap in health and wellbeing for Manitoba's children.

More information can be found here:
<http://www.cihr-irsc.gc.ca/e/44389.html>



Canadian Network for Observational Drug Effect Studies

In October 2011 the Canadian Institute of Health Research announced \$17.5 million in funding to support the Canadian Network for Observational Drug Effect Studies (CNODES) through its Drug Safety and Effectiveness Network (DSEN) Initiative.

The Manitoba node of this national project will be led by Dr. Patricia Martens of MCHP and Dr. Patricia Caetano from the Health Information Branch at Manitoba Health. The collaboration also involves researchers from the Faculty of Pharmacy at the University of Manitoba, as well as other researchers from within the Faculty of Medicine.

The national project will help address prescription safety through national partnerships, providing crucial evidence to policy makers in the Canadian healthcare system.

More information can be found here:
<http://www.cihr-irsc.gc.ca/e/44479.html>

MCHP Research Impact: Youth In Care

In March the University of Winnipeg announced its Youth In Care Tuition Waiver Program. Split between the University of Winnipeg and the Province, the program funds 10 students per year – paying for tuition, books, and living expenses. The program is partially based on evidence from MCHP research in at risk youth, led primarily by Drs. Marni Brownell, and Noralou Roos.

Table of Contents

2011/12 Highlights	v
Table of Contents.....	ix
MCHP Vision Mission and Values	xi
Message from the Director	xiii
Research	1
Deliverables	2
Publicly Released Deliverables	2
Deliverables Presented to Manitoba Health.....	3
Ongoing Deliverables	4
Research in Children's Health and Wellbeing	9
Ongoing Research Projects.....	9
MCHP Population-Based Child Health Research Fund	9
Investing in At-Risk Kids	10
Research Collaborations	10
Visitors	11
Additional Collaboration Updates	12
Research on Fetal Alcohol Spectrum Disorder (FASD).....	12
Grant Funded Research	12
New Funding Applications	13
Student Update:	13
MCHP Administered Research Grants	14
Other Research Grants Accessing the Repository	16
Ongoing or Completed MSc & PhD Theses Projects Accessing the Repository.....	21
Knowledge Translation	23
RHA Collaborative Research	24
<i>The Need to Know</i> Team Project.....	24
Briefings	25
Workshops	27
MCHP / Manitoba Health Annual Workshop	27
MCHP / WRHA Workshop	28
MCHP Rural & Northern Healthcare Workshop	28
In the Media.....	29
Media Releases.....	29
Op-Eds, Editorials, and Letters to the Editor.....	29

Research Resources	31
Data Repository.....	31
Research Tools.....	32
Applying for Access.....	32
Website.....	32
MCHP Web Traffic.....	33
Report Downloads	34
Education.....	35
Courses / Lectures in the Department of Community Health Sciences.....	35
Courses in Other Departments	35
Graduate Student Supervision.....	36
Education Resources	37
SAS Tutorials.....	37
Publications	38
Papers, Books, Book Chapters, Reports.....	38
Presentations and Published Abstracts	41
Evidence Network.....	46
People	47
MCHP Faculty and Staff	47
Special Awards and Honours.....	49
Advisory Board Members	50
MCHP Adjunct Scientists.....	51
Collaborators.....	53
Committees	60
Finance.....	65

MCHP Vision Mission and Values

Mission

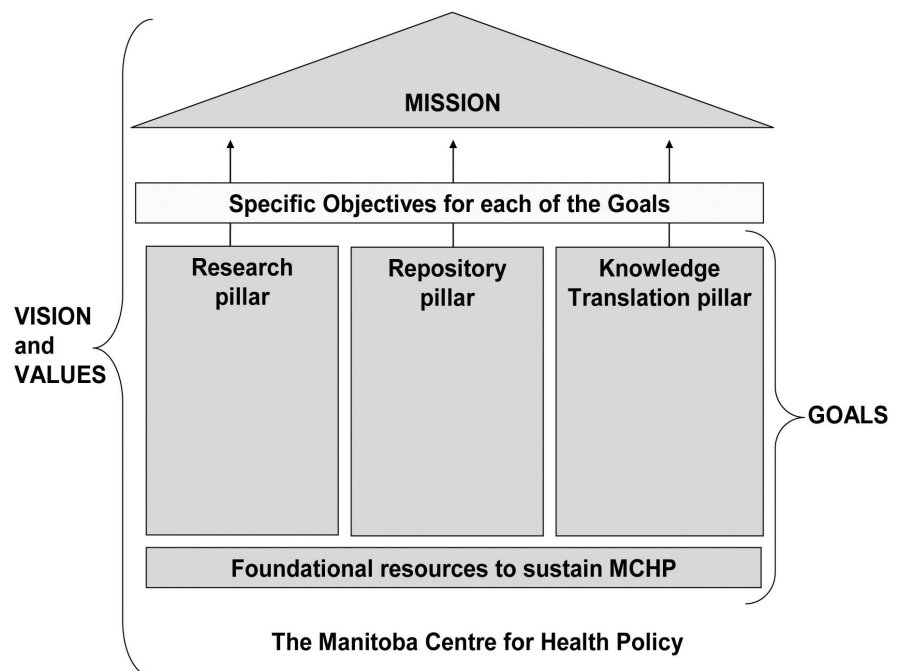
The Manitoba Centre for Health Policy (MCHP) is a research centre of excellence that conducts world class population-based research on health services, population and public health, and the social determinants of health. MCHP develops and maintains the comprehensive Population Health Research Data Repository 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.

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



Message from the Director

At MCHP we call our office space a data laboratory. No one here wears a lab coat though. Not the research scientists, nor the data analysts and programmers, nor does anyone else. It's a way of dressing-up an environment that produces academic research with some relatively innocuous tools — computers, electronic records, and lots of skilled people.

One of our tools is the Population Health Research Data Repository. In this past year, I've done a few speeches where I liken the Repository to being MCHP's equivalent of the LBD, or little black dress. According to Wikipedia, in the 1920s Coco Chanel talked about the LBD being essential to a complete wardrobe. She described the perfect LBD as a dress intended to be long-lasting, versatile, affordable, accessible to the widest market, and neutral in colour.

The Repository mirrors these attributes. The data within it allows us to dress up and accessorize many different health indicators and anonymously explore links — through time, geography and services — that make Manitobans healthy, or unhealthy.

These data are what makes MCHP world class. In fact, our relationship with Manitoba Health and a growing list of government departments has become a model for population health and health services research and I see how fortunate we are when travelling around the world describing our university and government collaboration.

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. Brian Postl
- Department Head for Community Health Sciences, Dr. Sharon Macdonald and Chair for our Advisory Board
- Members of our Advisory Board
- Minister and Deputy of Health, Theresa Oswald and Milton Sussman
- Minister and Deputy of Healthy Living, Seniors and Consumer Affairs, Jim Rondeau and Cindy Stevens
- Minister and Deputy of Education, Nancy Allan and Gerald Farthing
- Minister and Deputy of Family Services and Labour, Jennifer Howard, and Jeff Parr
- Minister and Deputy of Innovation, Energy and Mines, Dave Chomiak and Grant Doak
- 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 advisory groups or as part of deliverable research teams
- All MCHP research scientists and support staff who ensure the success of MCHP



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

research

MCHP does research on the health of Manitobans with its primary focus looking into what makes people healthy. Many factors affect health such as health care, health programs and policies, income, education, employment and social circumstances. At MCHP, researchers are sorting out the contribution of these factors.



For instance, research at MCHP points to an income-health gradient again and again. It isn't just that poor people are sicker than rich people - poor people are sicker than middle income people, who in turn are sicker than the upper middle, and so on. We see the same gradient between education and health. Simply put, the poorer you are, the sicker you are likely to be; and likewise, the less educated you are, the sicker you are likely to be.

Most of the information that forms the basis of research at MCHP comes from the Repository – a comprehensive anonymized

database that tells us about Manitobans' use of such services as physicians, hospitals, home care, nursing homes and prescriptions. It also offers information about education and family services and is continually expanding into new areas such as housing, justice, and post-secondary education. Researchers use the information within the Repository to help answer questions about health and social policy. Reports are then published as a deliverable based on these findings. These reports can be found at the MCHP website:

<http://mchp-appserv.cpe.umanitoba.ca/deliverablesList.html>.

Deliverables

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

Below is a list of MCHP deliverables with published between April 1, 2011 and March 31, 2012.

Publicly Released Deliverables

Adult Obesity in Manitoba: Prevalence, Associations, and Outcomes (October 2011)

Fransoo R, Martens P, Prior H, Chateau D, McDougall K, Schultz J, McGowan K, Soodeen R, Bailly A

Obesity doesn't kill people directly but is related to the development of a number of poor health outcomes, including high blood pressure and diabetes. These are important because they cause serious problems themselves, and they're related to heart disease and stroke, which are leading causes of death. The scope of the deliverable included the analysis of provincial trends of obesity and related chronic diseases over a 10-year period. The findings indicate the impact on the healthcare system from obese and overweight people may not be as significant as expected. Using nationally-administered health surveys from 1989 to 2008 the study found obesity rates increased in Manitoba. Overall, more than a quarter of people in the province are now considered obese. This report also confirms what's been proven in the past — geography, marital status, employment, age, sex, education, smoking, and physical activity level can influence weight.

Manitoba Immunization Study (April 2011)

Hilderman T, Katz A, Derksen S, McGowan K, Chateau D, Kurbis C, Allison S, Reimer JN

Researchers from MCHP completed The Manitoba Immunization Study, the most comprehensive analysis of Manitoba's immunization programs ever performed. They looked at childhood and adult immunization rates in the province from April 1, 2000 to March 31, 2008, the impact of immunizations and the safety of vaccines. Overall, immunization rates for two-year-old children in Manitoba were stable over the eight years studied. The study looked at shots for flu and pneumonia in adults with a specific focus on three groups: pregnant women and women with a newborn, people older than 64, and people with chronic illness like diabetes. Manitobans 65 and over have the highest rate of immunizations and people with chronic illness have higher immunization rates than those without illness. Flu immunization reduced hospitalization and mortality in those over 65. The researchers also noted that nothing in the report was found to link vaccinations with rare disorders like Guillain-Barre Syndrome, a concern that prevents some people from getting vaccinations.

Deliverables Presented to Manitoba Health

Deliverables at this stage are in final draft form and the findings are shared by the lead researchers with Manitoba Health. MCHP researchers then work towards the final release versions of reports, revising them using input from external reviewers.

The Early Development Instrument (EDI) in Manitoba: Linking Socioeconomic Adversity and Biological Vulnerability at Birth to Children's Outcomes at Age 5

PI: Rob Santos, Co-PI: Marni Brownell (Due to be released spring 2012)

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.

The Epidemiology and Outcomes of Critical Illness in Manitoba

PI: Allan Garland, Co-PI: Randy Fransoo (Due to be released spring 2012)

This report provides a comprehensive, population-based evaluation of the epidemiology and outcomes of care provided in Intensive Care Units (ICUs) among people aged 17 and older in Manitoba, over from 1999/2000 to 2007/08. The care of critically ill patients occurs primarily in ICUs, and the report concentrates on that care. The report is organized into six Specific Aims; the first three aims describe the process of creating the data infrastructure needed to assess ICU use and outcomes, which are detailed in the final three aims. The value of this report derives from the importance of ICU care, the assessment of a broad range of endpoints relevant to patients and to society, and the nature of the data. Unlike the data used in most studies of critical illness or ICU care, our population-based data allow determination of incidence (not just number of cases) and mortality (as compared to case-fatality rates or the percent of people with a certain condition who die over a certain period of time); it eliminates concerns about selection bias. In addition, age- and sex-standardization can be performed to allow like-comparison among different regions and time periods.

Health and Healthcare Utilization of Francophones in Manitoba / L'étude de la santé et de l'utilisation des services de santé des francophones du Manitoba

PI: Mariette Chartier, Co-PI: Greg Finlayson (Due to be released spring 2012)

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 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 data using linkages with the Canadian Community Health Survey. This deliverable would assist in laying the foundation for the planning initiatives both provincially and at the RHA level.

Ongoing Deliverables

Assessing the Value of the Manitoba Housing Data (Greg Finlayson, Mark Smith)

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 Relationship Between Housing, Mental Health and Other Health and Social Factors

PI: Mark Smith

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.

Perinatal Services and Outcomes in Manitoba

PI: Maureen Heaman, Co-PIs: Malcolm Doupe, Michael Helewa, Marni Brownell

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 (e.g., 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 (e.g., alcohol use during pregnancy).

Profile of Immigrant Health Status and Health Care Use Patterns

PI: Randy Fransoo

MCHP has been made aware of the potential of a federal immigration database linkage to MHHL data. Discussions with some of the RHAs (including South Eastman) have indicated the need for exploring the issue of immigrant health status, due to a high proportion of new immigrants in these regions. 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 the waves of emigrating Europeans. In Manitoba, the number of immigrants more than doubled in 2001-2006 over the previous period. Filipinos continue to lead the immigration to Manitoba, but there are also substantial numbers from India, China and Germany.

A Systematic Investigation of Manitoba's Provincial Laboratory Data for Population Health and Health Sciences Research (Cadham Laboratory Data)

PI: Lisa Lix, Co-PI: Mark Smith

As the Provincial LIMS (Laboratory Information Management System) Project progresses, Cadham Lab's historical datasets will no longer be used for recording current lab test results; these datasets will be archived. MCHP will receive the historical datasets and conduct a systematic study to validate and document the datasets and evaluate their quality for research purposes. The intended outcome of this project is a summary assessment of the feasibility of using these data for population-based investigations.

How are Manitoba's Children Doing?

PI: Marni Brownell

This is a deliverable for Manitoba Health and the Healthy Child Committee of Cabinet. It is meant to support or add value to the 2011 release of the legislated five-year Healthy Child Manitoba (HCM) report on the status of Manitoba's children with respect to the HCM Strategy. Priority will be accorded to identifying key indicators from the MCHP repository regarding the four cross-departmental outcome goals of The Healthy Child Manitoba Act: physical and emotional health, safety and security, successful learning, and social engagement and responsibility. Drawing from and building upon two recent MCHP children's deliverables, the Manitoba Child Health Atlas Update (CHA-CHA), and the Early Development Instrument (EDI), this deliverable will include following the longitudinal outcomes of several birth cohorts, including years 2000 and 2001 birth cohorts to Kindergarten and to Grade 3, and conducting extended EDI and CHA-CHA analyses. Child Health indicators developed in the first rapid release deliverable on Health Inequities in support of the 2010 release of the legislated five-year Public Health report, will also be extended and included.

Understanding the Health System Use of Ambulatory Care Patients Referred for Specialist Consultation

PI: Alan Katz

The primary care renewal initiatives across Canada have recognized that outcomes in primary care are heavily dependent on factors outside the control of primary care itself. This has led to the use of process measures and related factors, which we will explore using statistical testing. For example, we plan to expand on previous MCHP research suggesting that access to and use of specialist care is highly dependent on area of residence. In addition, we plan to explore the factors surrounding implementation and support of inter disciplinary teams for the management of patients with chronic diseases. These inter disciplinary teams provide a key component of primary care renewal. Both of these realities are influenced by the type and frequency of specialist care patients receive. By understanding these relationships we hope to better understand primary care.

Defining the Capabilities of the Newly Implemented Emergency Use Data Systems in Winnipeg

PI: Malcolm Doupe

While the new EDIS system captures more data than were previously available, it is imperative to assess the quality of these data and to provide recommendations for further optimizing their potential. From this perspective, the goals of this deliverable are to:

- link the newly implemented EDIS data with traditional administrative files housed at MCHP;
- obtain electronic data from the HSC Children's ED allowing for a complete picture of ED use in Winnipeg; and,
- conduct some baseline analyses on these newly linked data that help to build on our current knowledge of ED use patterns in Winnipeg.

Understanding ED use patterns has important policy implications in Manitoba. This research will measure the completeness of the current ED IS data system by assessing how consistently data are inputted into various fields, and in doing so will make recommendations for further optimizing the utility of these data. This type of methodological analysis will also assess the accuracy of EDIS by making comparisons to traditional administrative files housed at MCHP (e.g., ensuring that reported trends in ED are comparable using different systems, comparing rates of specialist consult visits in EDIS with data currently housed at MCHP, ensuring that data quality is comparable across all ED sites, etc.). Similar types of analyses will be conducted using the traditional HSC Children's ED data. Using these newly acquired EDIS data, descriptive analyses will also be conducted to further our understanding of ED use patterns in Winnipeg. These analyses will answer fundamental but essential ED use pattern questions such as: What are the wait times for ED patients according to their triage score and how long do patients wait before they leave without being seen? What is the typical length of time that patients spend in an ED before being admitted to a hospital? What types of health care practices (blood work, diagnostic tests, specialist consults, etc) do patients typically receive in an ED? The findings to these and other questions will be compared across the individual adult and children's ED sites in Winnipeg.

The Cost of Publicly Supported Housing for Seniors - Implications for Future Funding Approaches

PI: Greg Finlayson

Canada's population is rapidly aging and we can expect that by 2030 about one in five Manitobans will be 65 years or older. Older adults are the predominant users of nursing homes in Canada, and policy makers have recently implemented various Aging in Place initiatives as a community-based alternative to nursing home care. Within Manitoba, the majority of these initiatives are currently being piloted in Winnipeg, and Supportive Housing for Seniors is designed as the major strategy to offset future nursing home demands. While research at MCHP estimates that this will be at least partially successful, client payment structures for supportive housing (where clients pay for rent, meals, laundry, housekeeping and drugs) and nursing homes (where per diem fees cover all services) are currently very different. Client affordability may therefore impact use of supportive housing care. There is also limited evidence comparing the government funded operational costs and additional health care use costs (e.g., for clients who are transferred to emergency room visits, are hospitalized, etc.) of these two services. This type of information is essential to ensure that supportive housing strategies are a cost effective alternative to nursing home use.

This study will compare the costs of supportive housing versus nursing homes in Winnipeg, Manitoba, to ensure that supportive housing is a viable financial alternative to nursing home care. Knowledge developed from this research can be used to help plan future Aging in Place initiatives in Winnipeg and other health regions.

Who is in our Hospitals?

PIs: Randy Fransoo, Patricia Martens Co-PIs: The Need to Know Team

This deliverable would paint a picture of who is occupying acute care hospitals in Manitoba. The purpose of this deliverable is to help with planning. Are there things the system can do outside the hospital or in different environments (home care, personal care homes, etc.), to offset the need for acute care beds? Do we need a sub-acute system? The basic information required for each hospital in Manitoba would be: who is there (i.e., from what geographical location); why they are there (i.e., the diagnoses or services); what is their level of acuity (ALC) and the ALC “reason” (which may give insight into such things as waiting for home). This is a province-wide approach, to help planners see how services are provided throughout the province and how patient flows could be managed.

Physician Integrated Network (PIN) Long-term Change Analysis (PIN Phase 2)

PI: Alan Katz

The PIN Phase 2 deliverable will evaluate both health service provision (processes) and health outcomes associated with primary care at PIN clinics. The analysis will examine the study outcomes of the following groups including changes within each group over time:

- core patients of PIN sites (patients for whom primary care home has been confirmed)
- patients who have visited PIN sites, but are not core patients
- Other primary care clinics using advanced access
- Other patients not included in the above

Health outcomes will include:

- ER visits
- Hospitalizations
- Outcomes of select PIN indicators (e.g. diabetes)

This deliverable will use the Repository data for all analyses. The EMR extracts will only be used to identify the core clinic patient cohort.

Understanding the Determinants of Emergency Department Volumes

PI: Malcolm Doupe

Emergency department (ED) volumes is a prominent health care delivery issue both locally and nationally in Canada, and proper strategies to address this issue first require that the determinants of ED volumes are better understood. In general these determinants can be divided into input (e.g., the number of patients arriving at an ED at any given time); throughput (strategies within an ED that affect patient flow); and output (e.g., difficulties transferring ED patients to a hospital bed) factors. Understanding how these different determinants affect ED volumes is an essential first step in addressing this phenomenon.

This deliverable will assess how various input, throughput and output factors affect ED volumes and results will help to direct strategies to improve ED patient flow. Some ED sites in Winnipeg have implemented strategies to improve patient flow. Examples of these strategies include the provision of nurse practitioner care and use of outpatient services for diagnostic tests. These and other processes will be assessed to define strategies within EDs that best help to improve patient flow.

Evaluation of the Manitoba InSight Program

PI: Chelsea Ruth, Co-PI: Marni Brownell

Identified as an evaluation priority by the Government of Manitoba's Fetal Alcohol Spectrum Disorder (FASD) Interdepartmental Committee, the province's Stop FASD mentoring program has collected a decade's worth of primary data on program participants, including outcome data not available elsewhere on this population of women at elevated risk for having children affected by FASD. Following the transfer of this data into the MCHP repository in 2010/11, this deliverable would focus on the long-term health, social and learning outcomes of Stop FASD participants and their children over the past 10 years, drawing on key indicators from the MCHP repository, and set the stage for later FASD focused MCHP deliverables to support Manitoba's life course FASD Strategy.

Assessment of PCH Bed Projections

PI: Dan Chateau, Co-PI: Malcolm Doupe

MCHP previously completed a PCH Bed Projections deliverable in 2002, based on relatively 'old' data from the Manitoba Bureau of Statistics 1998 population projections. This needs to be revisited, since more recent pilot work indicated that these projections understated the population size of 85+ year-olds substantially. As well, advancements in medicine or different options (such as higher levels of care in PCHs) could have changed the picture. Because of recent MCHP work on the supportive housing and PCH datasets, this projections research is more feasible than it was previously. This is a critical area for planners and requires a rapid deliverable to plan for long-term facilities by Regional Health Authorities (RHAs).

Research in Children's Health and Wellbeing

MCHP remains a leader in child health research. Our research scientists use population-based data from the Manitoba Departments of Health, Healthy Living, Youth & Seniors, Education, Family Services & Labour, and Entrepreneurship, Training and Trade to investigate the outcomes for children. Having population-based data on children at different stages of development, which are linkable across datasets and over time, allows researchers to gain a better understanding of factors associated with both positive and negative outcomes. The policy implications of our work are many, particularly for at-risk children. Government efforts may be targeted towards programs to prevent teenage motherhood, to deal with mental health issues (in the family and/or the child), to foster residential stability (especially at certain ages), and so forth. Our research projects are aimed at issues which are most important in child development.

Ongoing Research Projects

MCHP Population-Based Child Health Research Fund

Dr. Marni Brownell is the recipient of the MCHP Population-Based Child Health Research Fund. This funding (an endowment from the Manitoba government) enables Dr. Brownell to continue her policy-relevant child health research at MCHP, focusing on the social determinants of child health. Dr. Brownell uses linked administrative health and social service databases to examine child health and to develop population-level indicators of child health. She has nearly two decades of experience interacting with policy makers to help insure her research is relevant and useable. Dr. Brownell has published extensively in the area of child health outcomes, based on her work with linked administrative databases.

She is the Principal Investigator or co-PI on five nationally funded grants and four provincially funded grants, with total funding exceeding \$2.2 Million. She is also co-applicant on an additional three nationally-funded grants totaling close to \$3 million. She is currently leading or contributing to several nationally-funded research grants, including one in partnership with the Assembly of Manitoba Chiefs, which focuses on First Nations children with fetal alcohol spectrum disorder (FASD). Dr. Brownell is committed to ensuring her research is translated into action, involving clinicians, policy-makers and researchers from the beginning of the research process, helping to frame the research questions to guarantee that the research will be relevant. She has built strong relationships with provincial and national policy-makers, including policy analysts and program developers at Health Child Manitoba, a unique provincial entity that spans the 10 government ministries involved with children, and led by the Manitoba Healthy Child Committee of Cabinet.

Dr. Brownell has used the linked administrative databases at MCHP to evaluate a number of programs aimed at children, including an evaluation of the Families First (formerly BabyFirst) screening and home visiting program and the Healthy Baby Program. These evaluations will serve as a model for evaluating several programs aimed at enhancing child development, as part of the PATHS Equity program of research at MCHP (co-led by Dr. Brownell).

She is currently involved in three MCHP deliverables that focus on child health:

- "How are Manitoba's Children Doing?" which she leads with co-PIs Drs. Mariette Chartier and Rob Santos
- "Perinatal Services and Outcomes in Manitoba" which she co-PIs with lead Dr. Maureen Heaman.
- "The Early Development Instrument in Manitoba" which she co-PIs with lead Dr. Rob Santos (released on May 11, 2012).

Investing in At-Risk Kids

MCHP Senior Research Scientists Drs. Noralou Roos, Marni Brownell, Leslie Roos and their colleagues at the University of Western Australia, University of California, Queen's University, University of Alberta and University of Calgary have been working with community groups, business and government to bring research on this issue to the policy table. Several journal manuscripts, newspaper articles and Op-Eds have been published as a result of their research.

Presentations to Local & National Government

Manitoba Department of Education, (April 20, 2011); Manitoba Centre for Health Policy and Manitoba Health Workshop (April 21, 2011); Early Years Task Group: The Premier's Advisory Council on Education, Poverty and Citizenship (June 10, 2011); Manitoba Institute for Child Health, Child Health Research Day (October 6, 2011); Child and Family Services Standing Committee (November 16, 2011); Community Health Sciences Colloquium Series, University of Manitoba (March 16, 2012).

Additional Presentations

The Pediatric Academic Societies/Asian Society for Pediatric Research Joint Meeting, Denver CO, (May 2, 2011); Canadian Science Writers Association Annual Conference, Calgary, AB (June 11, 2011); Society for Pediatric and Perinatal Epidemiologic Research (SPER), Montreal, QC (June 20-21, 2011); Society for Social Work and Research Sixteenth Annual Conference "Research that Makes a Difference: Advancing Practice and Shaping Public Policy", Washington, DC (January 11-15, 2012); Population Data BC and CIHI Conference "Population Health Data Analysis: From Infrastructure to Innovation", Vancouver, BC, (February 8, 2012); Banff International Conferences on Behavioural Science: "Banff XLIV: Fetal Alcohol Spectrum Disorder: Challenges in Practice, Research and Policy", Banff, AB, (March 18, 2012); Congress of the Federation of Asian and Oceania Perinatal Societies (FOAPS) and the 16th Annual Congress of the Perinatal Society of Australia and New Zealand (PSANZ), Sydney AU, (March 21, 2012).

Additional Updates:

Dr. Noralou Roos has worked with Dr. Sharon Macdonald, Department Head, Community Health Sciences on the Academic Enhancement Project—to make the University of Manitoba more accessible to disadvantaged inner city children.

As a member of the United Way Advisory Board, Dr. Noralou Roos has been working on Peg (<http://www.mypeg.ca/>) — developing a community indicators system. Based on broad consultation, including discussion and concurrence by Winnipeg school divisions, the Peg steering committee would like to include indicators of educational outcomes for children using the Ministry of Education data deposited at the Manitoba Centre for Health Policy.

Dr. Noralou Roos is a member of the Evaluation Subcommittee for the Point Douglas/Lord Selkirk Park Community Revitalization Project where the data on at-risk kids has become part of the discussion.

She sits on the following Committees aimed at community development and assisting families in the inner city:

- Winnipeg Poverty Reduction Council, Strengthening the Core Working Group
- Community Education Development Association
- Parent Mentor program at the West Central Women's Resource Centre

Research Collaborations

Dr. Leslie Roos is currently working with Drs. James Bolton (Psychiatry), Jitender Sareen (Medicine), Laurence Katz (Psychiatry), Shahin Shooshtari (Human Ecology), Ana Hanlon-Dearman (Pediatrics and Child Health), Susan

Samuel (University of Calgary), Doug Jutte (University of California), and Lisa Strohschein (University of Alberta) on projects to further his research on health conditions which children face in their early years: asthma, injuries, psychosocial conditions (mental health), developmental disabilities and primary infections.

He is also working with Julia Witt (Economics) and Randy Walld (MCHP). They have recently submitted a manuscript to the B.E. Journal of Economic Analysis and Policy entitled "Opportunity and Well-Being in Canada: Siblings, Neighborhoods and Gradients." This paper compares sibling and neighbourhood correlations for three different outcomes among children in Manitoba to examine the extent to which each of these contribute to the outcomes. The results show that the sibling correlations are considerably higher for various estimations; this is discussed in the context of other literature which largely shows similar findings.

Dr. Roos is also focusing his research on children's health outcomes using the following predictors: household income/social assistance/parental education, (not typically available in administrative data). His highly respected work is published widely in peer-reviewed international journals. Several new papers are being prepared.

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

Dr. Doug Jutte is a Harvard and Stanford-trained pediatrician currently with the School of Public Health at the University of California, Berkeley. Collaboration with Dr. Jutte began in 2004 with work on the Apgar score and has included projects examining factors associated with the socioeconomic gradient in health and education. Noralou and Les Roos met with Doug Jutte, and colleagues Len Syme and George Kaplan, in San Francisco, CA in February, 2012. This research has been recently published; the following manuscripts have been submitted for publication:

- Jutte D, Brownell M, Roos NP. The early development of socioeconomic gradients in health: A population-based, longitudinal perspective from birth to age 18 years. (submitted to Social Science and Medicine).
- Jutte D, Brownell M, Roos N, Syme SL, Boyce WT. Does the score mean something more? 5-minute Apgar predicts post-neonatal hospitalization and mortality through the first decade. (submitted to Journal of Paediatric and Perinatal Epidemiology).

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. Currently, Winnipeg and Perth house the leading experts of two of the cutting-edge data linkage centres in the world with data linkage capabilities at the population health level across multiple datasets and years.

Visitors

David Engelhardt (Director, Business Intelligence Unit at the Department for Education and Child Development in South Australia) and Sally Brinkman (Senior Research Fellow, Curtin University's Centre for Developmental Health & Telethon's Institute for Child Health Research) visited MCHP in March, 2012. They presented their research at a departmental colloquium entitled: Data Linkage in Australia. They met with several researchers as well as those from the Manitoba Department of Education and Healthy Child Manitoba. Drs. Roos, Brownell, along with Patricia Martens and Mark Smith from MCHP continued this collaboration and presented their research from the Manitoba perspective, at the International Data Linkage Conference in Perth, Australia in May, 2012.

In May, 2011, Noralou Roos and Marni Brownell met with Dr. Sharon Goldfield from the Centre for Community Child Health, Murdoch Children's Research Institute, Melbourne, Australia. They discussed her project entitled, "The kids in communities study: Measuring community level factors influencing children's development" and other further collaborative opportunities.

Additional Collaboration Updates

Child Maltreatment in Manitoba: Using Hospital Discharge and Child Protection Data for International Comparisons of Trends. Dr. Marni Brownell, Dr. Melissa O'Donnell (Telethon Institute for Child Health Research), Dr. Ruth Gilbert (Centre for Evidence-Based Child Health in the UK), and other researchers from the UK, US, Australia, New Zealand, Sweden and Canada are co-investigators on this project. A manuscript has recently been published: (Gilbert R, Fluke J, O'Donnell M, Gonzalez-Izquierdo A, Brownell M, Gulliver P, Janson S, Sidebotham P. Child maltreatment variation in trends and policies in six developed countries. *Lancet* 2012;379(9817):758-772.) A second manuscript focusing on trends in and predictors of out-of-home care in Western Australia and Manitoba (the two states/provinces where population-based data are available) will be submitted this fall.

Research on Fetal Alcohol Spectrum Disorder (FASD)

Drs. Marni Brownell and Noralou Roos have been working with Drs. Ab Chudley, Sally Longstaffe and Ana-Hanlon-Dearman from the Manitoba FASD Centre to study health, education and social service utilization in children with Fetal Alcohol Spectrum Disorder (FASD). The team is also using clinical data from the Manitoba FASD Centre and administrative data in the MCHP Repository to determine whether multiple administrative data sources can be used for FASD case ascertainment. The team has presented this research nationally and is currently preparing manuscripts for publication.

Dr. Brownell is a Principal Investigator on a grant recently funded by the Canadian Foundation on Fetal Alcohol Research entitled "Utilization of Health, Education and Social Services by Manitoba First Nations Children with FASD". This project involves a close partnership with the Assembly of Manitoba Chiefs, which is a political advocacy group representing 64 First Nations across Manitoba.

The following report was released in June, 2011: Hanlon-Dearman A, Brownell M, Chudley A, MacWilliam L, Longstaffe S, Roos N, Yallop L. Combining Clinic Data on Fetal Alcohol Spectrum Disorder (FASD) With Administrative Data on Health, Education and Social Services: Use of health and social services by children with FASD. Report for the Manitoba Medical Services Foundation, Winnipeg MB.

Grant Funded Research

Childhood Social Factors in Development—the CHILDSOC Project. (Roos LL, Bolton J, Brownell M, Jutte D, Katz L, Roos N, Samuel S, Strohschein L) Funded by the Canadian Institutes of Health Research.

Investigating the Association between Interpregnancy Interval and Autism Spectrum Disorders using the Manitoba Centre for Health Policy's Data Repository. Ouellette-Kuntz H (PI), Brownell MD, Flavin MP, Lam YM, Roos LL, Smith GN). Funded by the Canadian Institute of Health Research

PATHS Equity for Children: A Program of Research into What Works to Reduce the Gap for Manitoba's Children. (Martens P, Brownell M, Chartier M, Fransoo R, Katz A, Lix L, Metge C, Roos LL, Santos R, Bolton J, Doupe M, Hertzman C, Jutte D, Katz L, Raymond C, Roos N). Funded by the Canadian Institutes of Health Research.

Paying for Primary Care: Relationship between incentives and patient/provider characteristics. (Deber R, Barnsley, J, Glazier R, Katz A, Laporte A, Roos L, Stukel T, Wodchis W,) Funded by the Canadian Institutes of Health Research.

Academic Performance among Children with Inflammatory Bowel Disease: A Population-Based Study. Singh H (PI), Bernstein C, Targownik L, Brownell M, Roos LL, Blanchard J. Funded by the Canadian Institutes of Health Research.

Utilization of Health, Education and Social Services by Manitoba First Nations Children with FASD. Brownell M, Hanlon-Dearman A, Elias B (PI's), Chateau D, Chudley A, Phillips-Beck W, Roos N, Longstaffe S. Funded by the Canadian Foundation on Fetal Alcohol Research.

New Funding Applications:

Adult Outcomes of Childhood Burns. (Logsetty S, Gawaziuk J, Sareen J, Doupe M, Brownell M, El-Gabalawy R, Chateau D. Submitted to the Health Sciences Centre Foundation.

Determining Predictors for Pediatric Dental Surgery in Hospital for Children 0-71 months of age. (Scroth R, Hai-Santiago K, Martens P, Brownell M). Submitted to: the Paul HT Thorlakson Foundation Fund.

Examining the Social Determinants of Children's Developmental Health with a Population-Level, Pan-Canadian Database (Hertzman, Clyde, Forer B, Guhn M, Janus M, Brownell M, Duku E, Muhajarine N). Submitted to the Canadian Institutes of Health Research.

Health and Social Impacts on the Family Following Fetal/Infant Death. (Lang, Ariella, Bolton J, Brownell M, Chateau D, Doupe M, Finlayson G, Heaman M, Sareen J). Submitted to the Victorian Order of Nurses (VON).

Identifying potential health system contributions to 'closing the gap' in early developmental and education outcomes between Aboriginal and non-Aboriginal children. (Falster, Kathleen, Brownell M.) Submitted to the National Health and Medical Research Council of Australia.

Increasing use of gastroesophageal reflux disease drugs (GERDD) in infants: Impact on their intestinal microbiota. (Kozyrskyj, Anita, Becker A, Brownell M, Field C, Guttman D, Huynh H, Scott J, Turvey S). Submitted to the Canadian Institutes of Health Research.

Targeting Children: Optimizing the Health of Canadians Through the Life Course. (Parkin P, Birken C, Brownell M, Guttman A, Kasperski J, Li P, Maguire J, Moffatt M, Katz A, Mousmanis P). Submitted to the Canadian Institutes of Health Research.

Targeting Kids: Evidence for Primary Healthcare Practice and Policy. (Parkin P, Guttman A, Brownell M, Tu K, Rourke L, Booth M) . Submitted to the Canadian Institutes of Health Research.

Student Update:

Brett Hiebert, MSc candidate—thesis title: Familial Aggregation of Childhood Health and the Socioeconomic Gradient of Disease: A Longitudinal Population-Based Sibling Analysis. (Successfully defended, July 15, 2011)

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

Janelle de Rocquigny, MSc candidate—thesis title: Manitoba's Francophone Children: What Determines EDI Scores?

Deepa Singal, PhD candidate—thesis title: Investigating the characteristics and healthcare utilization of women who give birth to children with Fetal Alcohol Spectrum Disorder

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

Note: All publications regarding child health research can be found in this report under: the publications, presentations and MCHP Deliverable sections.

MCHP Administered Research Grants

Canadian Foundation on Fetal Alcohol Research

Brownell M, Hanlon-Dearman A, Elias B, Chateau D, Phillips-Beck W, Roos N, Chudley A, Longstaffe S. \$50,000, 2011-2013. "Utilization of Health and Social Services by Manitoba First Nations Children with FASD"

Canadian Foundation for Innovation

Martens PJ. \$1,453,780, 2010-2014. "Leading Edge Access and Data Enhancement Research Strategy". Matching funds provided by MRIF.

Canadian Institutes of Health Research

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, Caetano PA, Alessi-Severini S, Chateau D, Katz A, Mahmud S, Metge C, Raymond C, Vercaigne L, Bugdan S, Targownik L. \$320,000, 2011-2015. "Canadian Network for Observational Drug Effect Studies (CNODES), Database Team"

Martens PJ, Caetano PA, Levy A, Sketris I. 75,000, 2011-2015. "Canadian Network for Observational Drug Effect Studies (CNODES), Knowledge Translation Team"

Martens PJ, \$1,900,000, 2011-2013 "PATHS equity for children: A program of research into what works to reduce the gap for Manitoba's children." Programmatic grant with Heart and Stroke Foundation of Canada

Roos NP, Martens PJ, Cassels, AK, Hirst N, Driedger SM, Katz A, et al. \$370,800, 2009-2013. "Injecting evidence into Health Policy Coverage: 'KT'ing the Mythbusters." Matched grant with Manitoba Health Research Council.

Roos LL, Roos NP, Samuel SM, Bolton JM, Katz L. \$98,984, 2011-2014 "Childhood Social Factors in Development – the CHILDSOC Project."

Heart and Stroke Foundation of Canada

Martens PJ, \$100,000, 2011-2013 "PATHS equity for children: A program of research into what works to reduce the gap for Manitoba's children." Programmatic grant with CIHR – Inst of Human Dev & Child & Yth; CIHR – Inst of Population & Publ Hlth

Manitoba Health

Martens PJ. \$11,625,000, 04/2010–03/2015. Manitoba Centre for Health Policy contract.

Manitoba Health Research Council

Brownell M, Yallop L. \$3725, 2011-2013. "Attention-deficit/hyperactivity disorder in Manitoba adults: A population-based study." Dissertation award

Doupe M, \$100,000, 2011-2014. "Linking unique clinical and health care use files to better understanding nursing home quality care."

Fransoo R, \$51,580, 2010-2013. "Temporal Trends and Sex Differences in Acute Myocardial Infarction (AMI) incidence, mortality, and treatments in Manitoba 1985 to 2010."

Roos NP, Martens PJ, Cassels, AK, Hirst N, Driedger SM, Katz A, et al. \$97,000, 2009-2013. "Injecting evidence into Health Policy Coverage: 'KT'ing the Mythbusters.'" Matched grant with Canadian Institutes of Health Research.

Manitoba, Innovation, Energy and Mines

Brownell M, Elias B. \$15,000, 2011-2013. "Incident Mapping"

Manitoba Research and Innovation Fund

Martens PJ. \$1,453,780, 2010-2014. "Leading Edge Access and Data Enhancement Research Strategy". Matching funds provided by CFI.

Public Health Agency of Canada

Chartier, M \$2,584,085, 2011-2015 "Towards Flourishing: Improving the Mental Health Among New Mothers in the Manitoba Families First Home Visiting Program", Phase II.

Sunnybrook Research Institute (CIHR collaborative sub-agreement)

Stukel TA, Katz A. \$132,216, 2011-2012 "Health Care System Sustainability Through Longitudinal Efficiency: Improve Quality and Lower Costs"

York University (sub-agreement of SSHRC)

Doupe M. 2010-2017, \$6,000. "Re-imagining long-term residential care: An international study of promising practices."

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.)

Armstrong P, Armstrong H, Adams A, Baines D, Chivers S, Choinier, J, Dalu T, Davies M, Doupe M, James B, Lanoix M, Leduc Browne P, Lexchin J, MacDonald M, McGregor M, McPherson K, Struthers K, Struther J, Harrington C, Rosenau P, Lloyd L, Pollock A, Szebehely M, Jacobsen F, Goldman M. \$2,498,987, 2009-2016. Re-imagining Long-term Residential Care: International Study of Promising Practices. Social Sciences and Humanities Research Council of Canada.

Bartlett J. \$35,000; 2010 -2011. Ischemic Heart Disease (IHD) and Related Health Care Utilization in the Manitoba Metis Population. PHAC.

Bartlett J. 2011-2013. Infant and Maternal Health in the Manitoba Metis Population. MMF & PHAC.

Bernstein C. \$1,000.00; 2010-2011. Cause of Death of Persons with IBD and Their Matched Controls.

Birthwhistle, Rosser W. Lambert-Lanning A, et al. \$10,800,000; 2010-2014. Canadian Primary Care Sentinel Surveillance Network. Public health Agency of Canada.

Bolton B. \$30,000; 2010-2011. Physical Disease and the Risk of Suicide: A Study of the Manitoba Population. Thorlakson Fund.

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, et al. \$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).

Brownell M, Hanlon-Dearman A, Chudley A, et al. \$25,000; 2009-2011. Combining Clinic 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. Manitoba Centre for Health Policy.

Brownell M, Gilbert R, O'Donnell M. 2010-2011: \$21,000. Child Maltreatment in Manitoba: Using Hospital Discharge and Child Protection Data for International Comparison of Trends. Manitoba Centre for Health Policy.

Cui Y. 2012-2013. Analysis to use Predictive Models to Describe the Need for Admissions to Virtual Wards: a Program for Reducing Hospitalization and Re-admission to Hospital. WRHA.

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. \$15,000; 2011-2012. Mental Health Commission of Canada (MHCC) Research Demonstration Project in Mental Health and Homelessness (Winnipeg): Repository Pilot Study. Mental Health Commission of Canada.

Distasio J (PI), Sareen J (Co-PI). Co-investigators: Thomson M, Bruce L, Martens PJ, et al. \$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, et al. \$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).

Elias B, Martens PJ, O'Neil J, Mignone J. \$1,000,000; 2006-2011. Manitoba First Nations Health Care Report: A Collaborative Network Project to Understand Health Disparities – Indicators of Population Health Status for Registered First Nations People Living in Manitoba.

Fuch D, Brownell M, Chudley A, Longstaffe S, Burnside L, \$105,500; 2009-2011. Economic Impact of Children in Care with FASD. PHAC.

Garland A. \$7,225.00, 2011. Determinants of Short-term vs Long-term Survival after Critical Illness. U of M Research Grants Program (URGP).

Garland A. \$32,000; 2011-2012. The Interface Between Chronic Inflammatory Disease and Critical Illness: A Pilot Study. HSC Foundation.

Gingrich J, Bertram Farough A, Demers A, Daeninck P, Doupe M. \$22,800, 2010-2012. Evaluating Debilitating Falls in the Manitoba Ambulatory Care Patient. Cancer Care Manitoba Foundation.

Green M, Katz A, Lavoie J, Kwong J. \$99,975; 2010-2011. Impact of policy guideline variation on outcomes of novel H1N1 influenza in Aboriginal communities in BC, Manitoba, and Ontario. CIHR.

Guttmann A, Barwick M, Brownell M, et al. \$94,402; 2010-2011. The Medical Home of Children and Youth in Canada Canadian Institutes of Health Research (KT Synthesis Grant).

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.

Heaman M, Kingston D, Brownell M, Santos R. \$30,000; 2010-2011. Pathways between Pre- and Post-natal Maternal Psychological Distress and Childhood Anxiety. Manitoba Institute of Child Health and the Children's Hospital Foundation of Manitoba (Operating Grant).

Hitchon C. \$35,000.00, 2011-2012. Health Care Use and Costs in Rheumatoid Arthritis. Health Sciences Centre Foundation.

Jorm L, Roberts C, Preen D, et al. \$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).

Junaid A. \$25,000.00, 2010-2011. Efficacy of Intensive Management of Peripheral Arterial Disease versus Usual Care. University of Manitoba, Internal Medicine.

Katz A, Lobchuk M, Martens PJ, et al. \$1,469,086; 2007-2012. CIHR / Cancer Care Manitoba Team in Primary Care Oncology Research. Access to Quality Cancer Care. CIHR New Emerging Team Grant.

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. \$50,000; 2010-2012. Maternal distress and the development of atopic disease in children: Potential pathways and interventions. AllerGEN NCE Inc.

Kozyrskyj A. 2012-2015. The Impact of Antibiotics on Intestinal Microbiota of Infants. CIHR.

Lavigne S, Doupe M. \$8000, 2012. Effects of Power Tooth Brushing on Oral and Systemic Inflammation in a Nursing Home Population: A Randomized Controlled Trial. Canadian Foundation for Dental Hygiene Research and Education.

Lavoie JG, Thompson D, Wong S, et al. \$360,548; 2011-2014. Towards closing the gap: using evidence to identify the need for investments in primary health care services on BC First Nation reserves. CIHR Operating Grant.

Lau D. 2011-2012. Diabetes and Influenza-Attributable Illness: The Rationale for Targeting Influenza Vaccinations to Patients with Diabetes. CIHR.

Lesage A, Bland R, Crocker A, et al. \$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.

Leslie B. \$9,999; 2010-2011. Proposed Framework for Feasibility Studies on Osteoporosis Surveillance Using Provincial/Territorial Administrative Data. PHAC.

Leslie W, Greenberg C, Lix L, Metge C, O'Neill J, Weiler H, Krahn J, Doupe MB, Roos L. \$700,000, 2004-2011. First Nations bone health study: Longitudinal measurements and outcomes, Canadian Institutes of Health Research.

Logsetty S, Sareen J, Medved M, Asmundson GJG, Enns MW, Leslie WD, Saadia R, Doupe M, Stein MB. \$20,000, 2011. Mental Illness and Traumatic Injury: an Investigation of Risk and Resilience among Survivors of Trauma. Manitoba Medical Services Foundation.

Liu M. \$100,000.00, 2011-2012. A Feasibility Study for 'The Manitoba Twin Registry: A Resource for Genetic and Epigenetic Studies'. U of M research start-up funds.

MacDonald M, Hancock T, Paradis G, et al. 2010-2011. CIHR Meeting, Planning and Dissemination Grant, \$25,000. Ontario Agency for Health Protection and Promotion \$15,000, Public Health Agency of Canada \$10,000, Paradis Public Health Chair \$10,000, MacDonald Public Health Chair \$5,000, BC Centre for Disease Control \$3,000. Advancing Public Health Services Research in Canada: Developing a Pan Canadian Agenda.

Marrie RA, Bernstein C, El-Gabalawy H, et al. \$43,925; 2010-2012. The interface between chronic inflammatory disease and critical illness. Manitoba Health Research Council Operating Grant.

Martens PJ. \$11,625,000; 2010-2015. Grant to the Manitoba Centre for Health Policy for Research. Manitoba Health.

Moghadas S, Pizzi N, Wu J, et al. \$94,750; 2009-2012. Evaluation of Mitigation Strategies for Pandemic Preparedness in Canada. CIHR.

Mutter T. \$12,300; 2010-2011. Incidence and Predictors of Serious Postoperative complications in Obstructive Sleep Apnea Patients: Retrospective Cohort and nested Case-Control Analyses of Clinical and Administrative Data. Evelyn Shapiro Award & Dept of Anesthesia.

Ong B. \$5,184.00, 2011-2012. The Effects of Delay in Hip Fracture Repair for Patients on Clopidogrel (Plavix). Department of Anesthesia Academic Oversight Committee (AOC). Concordia Hip and Knee Institute - 1/3 of funding.

Ouellette-Kuntz H. \$70,376.00, 2012-2013. Investigating the Association between Interpregnancy Interval and Autism Spectrum Disorders using the Manitoba Centre for Health Policy's Data Repository. CIHR.

Ramsey C. MHRC. \$25,000; 2010-2012. Statins and Outcomes from Influenza or Pneumonia.

Ramsey C. \$125,000, 2010-2012. Effects of Statins on H1N1 Influenza A Infection and Respiratory Disease. MHRC.

Raymond C. \$275,880.00, 2011-2013. Impact of Stimulant use on Educational Outcomes in Manitoba High School Students. CIHR.

Roos N, Martens P, Barer M, Driedger MS, Henry D, Katz A. \$370,800; and additional \$97,000 from Manitoba Health Research Council partner (Total amount: \$467,800; 2009-2012. Injecting Evidence into Health Policy Coverage: "KT'ing" the Mythbusters. Canadian Institutes of Health Research (Partnerships for Health System Improvement).

Roos L. \$44,000, 2007-2015. Research Support Fund, University of Manitoba.

Roos NL, Katz A, Martens PJ, et al. \$350,000; 2009-2012. Injecting Evidence into Health Policy Coverage. CIHR.

Ruth C. \$15,000.00, 2011-2012. The Association Between Maternal SSRI Exposure and Neonatal Respiratory Disorders. MMSF & MICH.

Santos R, Brownell M. \$200,000; 2009-2011. The Early Development Instrument (EDI) in Manitoba. Manitoba Health.

Shen G. \$100,000.00, 2012-2013. Impact of Diabetes during Pregnancy and Breastfeeding on Subsequent Diabetes in First Nations Mothers and Children. CIHR.

Sheps S, Backman A, Barer M, et al. \$1,790,000; 2009-2015. Enhancing existing capacity in applied health services and policy research in Western Canada. Canadian Institutes of Health Research.

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 in Health Services Research.

Singh H. \$35,000.00, 2012-2013. Academic Performance Among Children with Inflammatory Bowel Disease: A Population-Based Study. American College of Gastroenterology.

Smith M (Co-applicant). \$546,000; 2008-2011. Partnership for Ongoing Impact Assessment of Academic Detailing. CIHR.

Smith M (Co-applicant). \$1,460,779; 2008-2013. Health Care System Sustainability Through Longitudinal Efficiency: Improved Quality and Lower Costs. CIHR.

Smith M (Principal Applicant). \$9995; 2009-2011. Provincial/Territorial Administrative Databases for Surveillance of Asthma and COPD in Canada: Testing Feasibility of Revised Case Definitions. PHAC.

Smith M (Co-applicant). \$91,115; 2009-2011. Death Registrations in Nova Scotia: An Audit of Linked Administrative Databases. NSHRF.

Smith M (Co-applicant). \$570,217; 2009-2012. Assessment of Hypertension Occurrence, Management and Outcomes in Canada. CIHR.

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

Smith M (Co-applicant). \$3,750,000; 2009-2013. Research Demonstration Project in Homelessness and Mental Health (Winnipeg). Mental Health Commission of Canada.

Stuckel T, Bierman A, Glazier R, et al. \$1,496,035; 2008-2013. Health Care System Sustainability Through Longitudinal Efficiency: Improved Quality and Lower Costs. CIHR.

Suissa S, Platt R, Martens PJ, et al. \$17,500,000; 2011-2016. Canadian Network for Observational Drug Effect Studies (CNODES), Canadian Institutes of Health Research.

Torabi M. \$50,000; 2011-2012. Spatial Modelling of Incidence Rates in the Province of Manitoba. CIHR start up fund.

Ongoing or Completed MSc & PhD Theses Projects Accessing the Repository

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

Burland, E. "The Evaluation of a Fall Management Program in a Personal Care Home (PCH)"

Carr, R. "The Process and Outcome of Psychiatric Deinstitutionalization in a Canadian City"

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"

Comaskey B. "Maternal Depression and School Readiness: A Manitoba Population Based Study"

Cui, Y. "The Economic Evaluation of Manitoba Health Lines in Chronic Disease Management of Congestive Heart Failure"

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

Davies B. "The Association between Chlamydia Trachomatis and Adverse Reproductive Consequences and the Implications for Control Policy: A Population Based Retrospective Cohort Study"

De Rocquigny J. "Manitoba's Francophone Children: What Determines EDI Scores?"

Finlayson, G. "Allocating Funds for Health Care to Manitoba Regional Health Authorities"

Haworth-Brockman M. "Gender, Deprivation and Health in Winnipeg"

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 Contributes 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. "Attention-Deficit/Hyperactivity Disorder in Manitoba Young Adults: A Population-Based Study"

knowledge translation

Each year one of the six MCHP deliverables is not a report, but instead encompasses all MCHP activities surrounding knowledge translation. The Manitoba Centre for Health Policy researchers and staff carry out a number of these activities every year through workshops, government briefings, and other meetings. The following represents the areas of research knowledge translation in 2011/12.



RHA Collaborative Research

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, and encourages two-way learning between researchers and planners/policy-makers. Meetings in the 2011/12 fiscal year were held on June 6-7 (2011), October 24-25 (2011), and January 30-31 (2012).

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. *The Need to Know* Team was originally funded through the Canadian Institutes of Health Research, Community Alliances for Health Research Program (2001-2006) with Dr. Martens as the PI. 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), as well as the Gerry McDole Professorship Award in Improved Healthcare Delivery to Rural, Remote and Underserved Populations of Manitoba. 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 stated above by including activities relevant to the current and ongoing research projects at MCHP. In fact, many Team members also sit on advisory groups for other deliverables, bringing their unique RHA perspective.

The fall meeting precedes the annual MCHP Rural & Northern Healthcare Workshop, where *The Need to Know* Team members act as facilitators for roundtable discussions on MCHP deliverables.



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, Seniors and Consumer Affairs; Education; Family Services and Labour; 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 across the province; and Manitoba Patient Safety Institute. Numerous briefings continue post-release on many deliverables as dissemination of findings occurs and interest is generated.

Adult Obesity in Manitoba: Prevalence, Associations, and Outcomes

- Manitoba Health, June 2011
- Need to Know Team Meeting, October 2011
- MCHP Rural & Northern Healthcare Workshop, October 2011

Assessment of PCH Bed Projections

- Need to Know Team Meeting, October 2011
- MCHP Rural & Northern Healthcare Workshop, October 2011

Defining the Capabilities of the Newly Implemented Emergency Use Data Systems in Winnipeg

- MCHP / Manitoba Health Workshop, April 2011

The Early Development Instrument (EDI) in Manitoba: Linking Socioeconomic Adversity and Biological Vulnerability at Birth to Children's Outcomes at Age 5

- MCHP / Manitoba Health Workshop, April 2011
- MCHP / WRHA Workshop, June 2011
- MCHP Rural & Northern Healthcare Workshop, October 2011

The Epidemiology and Outcomes of Critical Illness in Manitoba

- Manitoba Health, July 2011
- Ministers briefing, July 2011
- Need to Know Team Meeting, October 2011

Exploring the Relationship Between Housing, Mental Health and Other Health and Social Factors

- Need to Know Team Meeting, January 2011
- MCHP / Manitoba Health Workshop, April 2011
- Need to Know Team Meeting, June 2011
- Need to Know Team Meeting, October 2011

Health and Healthcare Utilization of Francophones in Manitoba / La Santé et l'utilisation des services de santé des francophones du Manitoba

- MCHP / Manitoba Health Workshop, April 2011
- Manitoba Health, June 2011
- Ministers briefing, July 2011
- Need to Know Team Meeting, October 2011
- MCHP Rural & Northern Healthcare Workshop, October 2011

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

- MCHP / WRHA Workshop, June 2011

How are Manitoba's Children Doing?

- MCHP / Manitoba Health Workshop, April 2011

Manitoba Immunization Study

- MCHP / Manitoba Health Workshop, April 2011
- Need to Know Team Meeting, October 2011
- MCHP Rural & Northern Healthcare Workshop, October 2011

Perinatal Services and Outcomes in Manitoba

- MCHP / Manitoba Health Workshop, April 2011

Pharmaceutical Use in Manitoba: Opportunities to Optimize Use

- MCHP / WRHA Workshop, June 2011

Population Aging and the Continuum of Older Adult Care in Manitoba

- Need to Know Team Meeting, January 2011
- MCHP / WRHA Workshop, June 2011

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

- MCHP / Manitoba Health Workshop, April 2011
- MCHP / WRHA Workshop, June 2011

Understanding the Determinants of Emergency Department Volumes

- MCHP / Manitoba Health Workshop, April 2011

Understanding the Health System Use of Ambulatory Care Patients Referred for Specialist Consultation

- MCHP / Manitoba Health Workshop, April 2011

Who is in our Hospitals?

- Need to Know Team Meeting, June 2011
- Need to Know Team Meeting, October 2011
- MCHP Rural & Northern Healthcare Workshop, October 2011

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.

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 eighth annual event and was held on April 21, 2011 at the Radisson Hotel in Winnipeg. For those working at the government level, this annual knowledge translation workshops provide a refreshing point of view and give a sense of direction for policy development.



About 80 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. Patricia Martens on the Profile of Metis Health Status and Healthcare Utilization in Manitoba – a massive research project exploring the health of the Metis population in the province. Other highlights from the day include previews of upcoming MCHP research on perinatal services; immunization; early childhood development; the relationship between mental health and housing; and patterns in ambulatory care.

MCHP / WRHA Workshop

After somewhat of a hiatus, the Winnipeg Regional Health Authority and MCHP held another knowledge translation event on June 15, 2011 at the Radisson Hotel in Winnipeg. The day focused mostly on health inequities with the keynote presentation by Dr. Patricia Martens on the inequities report she led. Like similar events for Manitoba Health and the rural and northern regional health authorities, facilitated roundtable discussions followed the keynote presentation.

As a part of the agenda for the afternoon, MCHP researchers provided an overview of a number of research projects in various stages of completion. These included previews on The Early Development Instrument; The Study of Health and Healthcare Utilization of Francophones in Manitoba; Pharmaceutical Use in Manitoba; Population Aging and the Continuum of Older Adult Care; as well as the Profile of Metis Health Status and Healthcare Utilization in Manitoba.



MCHP Rural & Northern Healthcare Workshop

The 18th Annual MCHP Rural & Northern Healthcare Workshop was held on October 25, 2011 at the Marlborough Hotel. Nearly 200 participants attended the day's events, including representatives from all ten regional health authorities outside Winnipeg, as well as from Manitoba Health. Representatives from the Canadian Institute for Health Information were also present.

This year's workshop focused on the report, *Adult Obesity in Manitoba: Prevalence, Association and Outcomes*. Facilitated roundtable discussions on the report followed the presentation by Dr. Randy Fransoo. These discussions are viewed by many as a crucial element of the annual event. They allow participants to dig deep into the results of the report and find data relative to the stories that unfold in specific regions.

In the Media

A number of MCHP researchers were interviewed by various media agencies for their expertise in health policy and its related research. Additionally, MCHP researchers were interviewed upon the release of deliverables. Between April 1, 2011 and March 31, 2012 MCHP has been published or broadcast in a number of outlets including CBC Radio and Television, CTV, Global, CityTV, The Canadian Press (with national syndication), CJOB (and Corus Radio national affiliates), Winnipeg Free Press, Winnipeg Sun (and Canoe Sun Media affiliates), The Vancouver Sun, The Province, The Toronto Star, MacLean's Magazine, Yahoo.com, MSN.com, among others.

Media Releases

For the MCHP deliverable: Manitoba Immunization Study. April 20, 2011

For the local and national components of the CIHR health equity funding announcement: Health inequity study aimed to impact the lives of our province's young ones. August 30, 2011.

For the MCHP Deliverable: Adult Obesity in Manitoba: Prevalence, Associations, and Outcomes. October 21, 2011

For the local component of the CNODES funding announcement: Researchers to play key role in prescription safety. October 31, 2011.

For the local announcement of the paper published in The Lancet: Child maltreatment: variation in trends and policies in six developed countries. December 08, 2011.

Op-Eds, Editorials, & Letters to the Editor

Youth In Care Tuition Waiver Program. Ian Gerbrandt. Vibrant Communities Canada (<http://vibrantcanada.ca/blogs/ian-gerbrandt/youth-care-tuition-waiver-program>). March 27, 2012.

Time to treat kids in care differently. Marni Brownell. Winnipeg Free Press, op-ed (<http://www.winnipegfreepress.com/opinion/westview/time-to-treat-kids-in-care-differently-143775066.html>). March 22, 2012.

Make a dent. Winnipeg Free Press editorial (<http://www.winnipegfreepress.com/opinion/editorials/make-a-dent-143286246.html>). March 19, 2012.

In Implant Controversy, Sure Numbers Are Scarce. Carle Bialik, Wall Street Journal column, The Numbers Guy (<http://blogs.wsj.com/numbersguy/in-implant-controversy-sure-numbers-are-scarce-1117/>). February 3, 2012.

The cost of calories: It's expensive to eat healthy. Catherine Mitchell. Winnipeg Free Press editorial (<http://www.winnipegfreepress.com/opinion/fyi/the-cost-of-calories-its-expensive-to-eat-healthily-137811993.html>). January 21, 2012.

Health Care issues in Manitoba for 2011 – a summary. Jon Gerrard. <http://manitobaliberals.blogspot.ca/>. January 7, 2012.



Top 3 reasons why making patients pay is a bad idea. Noralou Roos and Raisa Deber. Montreal Gazette op-ed (<http://www.montrealgazette.com/health/reasons+making+patients+idea/5936347/story.html>). January 2, 2012.

Study finds child maltreatment rates not falling. Marni Brownell. Troy Media op-ed (<http://www.troymedia.com/blog/2011/12/23/study-finds-child-maltreatment-rates-not-falling/>). December 23, 2011.

Concerns raised over Canada's high rate of children in care. Marni Brownell. iPolitics.ca (<http://www.ipolitics.ca/2011/12/14/marni-brownell-canadas-high-rate-of-children-in-care-a-concern/>) op-ed. December 14, 2011.

A remarkable Canadian. David Crane. The Toronto Star editorial (<http://www.thestar.com/article/1089468--a-remarkable-canadian>). November 20, 2011.

Obesity study too lean. Winnipeg Free Press editorial (<http://www.winnipegfreepress.com/opinion/editorials/obesity-study-too-lean.html>). October 25, 2011.

User fees won't make health system more affordable. Noralou Roos. Huffington Post op-ed (<http://www.ipolitics.ca/2011/10/24/op-ed-user-fees-won%E2%80%99t-make-health-system-more-affordable/>). October 24, 2011.

Health is more than healthcare. Anne Thomas. The Uniter editorial (<http://uniter.ca/blog/entry/6521/>). October 1, 2011.

Project focuses on children. Patricia Martens. Lethbridge Herald letter to the editor (<http://www.lethbridgeherald.com/letters-to-the-editor/project-focuses-on-all-children-92011.html>). September 20, 2011.

Useless User Fees Punish the Poor: Making patients pay won't make our health system more affordable. Noralou Roos and Raisa Deber. The Mark op-ed (<http://www.themarknews.com/articles/6730-useless-user-fees-punish-the-poor>). September 13, 2011.

Canadian Health Care User Fees: Penny Wise and Pound Foolish. Noralou Roos and Raisa Deber. Huffington Post op-ed (http://www.huffingtonpost.ca/noralou-roos/canada-health-care-user-fees_b_935548.html). August 25, 2011.

The case against health-care user fees. Noralou Roos and Raisa Deber. National Post op-ed (<http://fullcomment.nationalpost.com/2011/08/17/noralou-roos-and-raisa-deber-the-case-against-health-care-user-fees/>). August 17, 2011.

Making patients pay won't make Canadian healthcare system more affordable. Noralou Roos and Raisa Deber op-ed (<http://www.hilltimes.com/opinion-piece/opinion/2011/08/15/making-patients-pay-wont-make-canadian-healthcare-system-more/27619>). August 15, 2011.

Silver Tsunami to Break the Health System's Bank? Noralou Roos and Nicholas Hirst. Huffington Post op-ed (http://www.huffingtonpost.ca/noralou-roos/health-canada_b_869388.html). June 1, 2011.

Seniors Not a Threat to Canada's Healthcare System. Noralou Roos and Nicholas Hirst. The Epoch Times op-ed (<http://www.theepochtimes.com/n2/opinion/seniors-not-a-threat-to-canadas-healthcare-system-54221.html>). April 6, 2011.

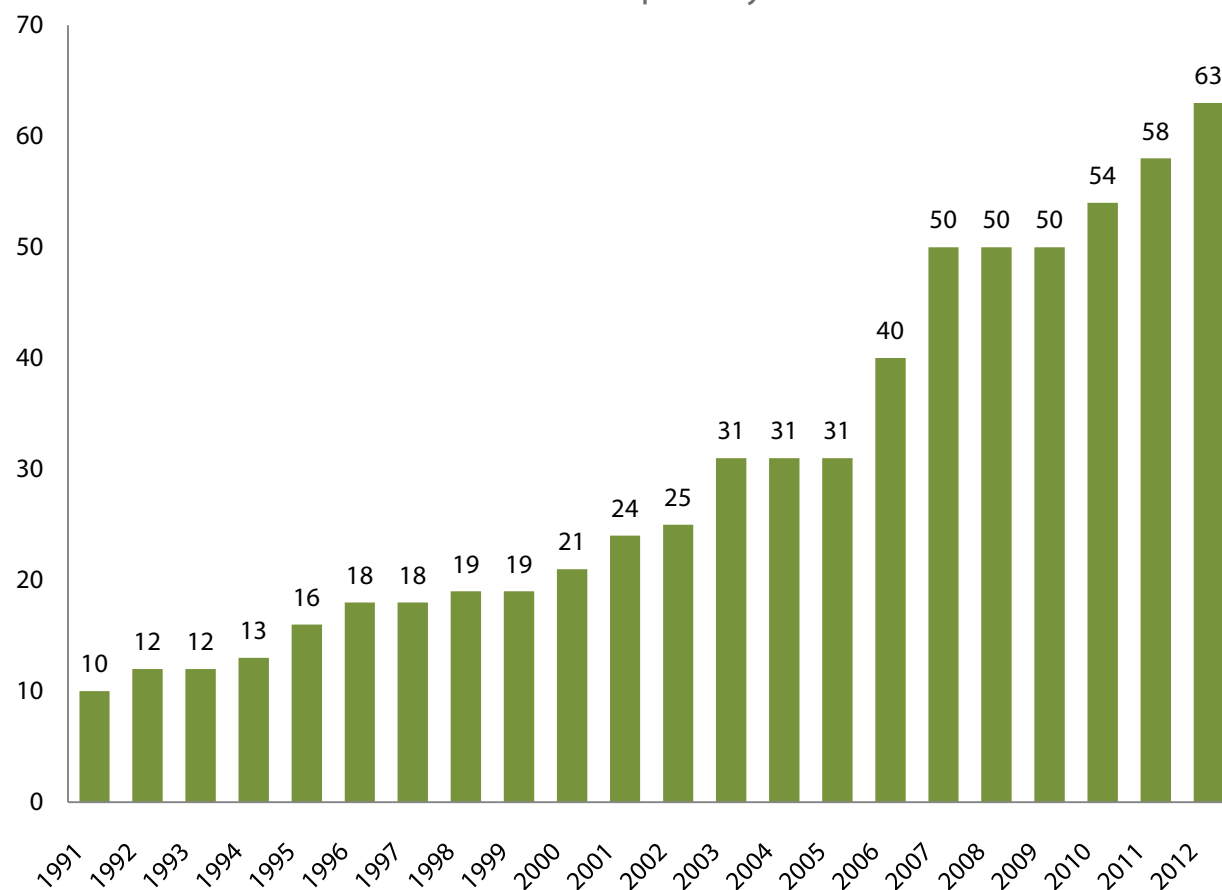
Research Resources

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 healthcare and profiles of health and illness, facilitating research spanning a number of databases such as health, education, social services, and justice.

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 healthcare and profiles of health and illness, facilitating research spanning a number of databases such as health, education, social services, and justice. Summary descriptions for a significant number of the databases housed at MCHP were completed and are available from the Data Repository section of the MCHP website. Expansion continued during the 2011/12 fiscal year with the remaining installation of administrative data, as well as clinical data from the previous year. In addition, new datasets were added during the 2011/12 fiscal year. Among the new data files added this year were Insight FASD, WRHA Emergency Department, Trauma, and Burns databases.

Total number of databases in the MCHP Repository



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 databases. They are available from the Data Repository 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. Over the 2011/12 the glossary expanded to include 2088 while the Concept Dictionary grew to 265.

Applying for Access

As a steward of the information in the Repository for agencies such as Manitoba Health, MCHP has developed a guide leading researchers throughout the data access processes. These key administrative requirements and policies related to access and use of the Repository are available under the Data Repository section of the MCHP website. Documentation includes policies on data processing and release of information. Checklists were also developed to assist users in developing a proposal and for managing a project when the proposal has been approved. All 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.

Over the 2011/12 fiscal year, 70 people were accredited for data access at MCHP. This new system was developed in 2010 by Charles Burchill to maintain privacy and other standards according to the health Research Ethics Board and Personal Health Information Act. These standards and guidelines are continuously updated and can be found on the MCHP website.

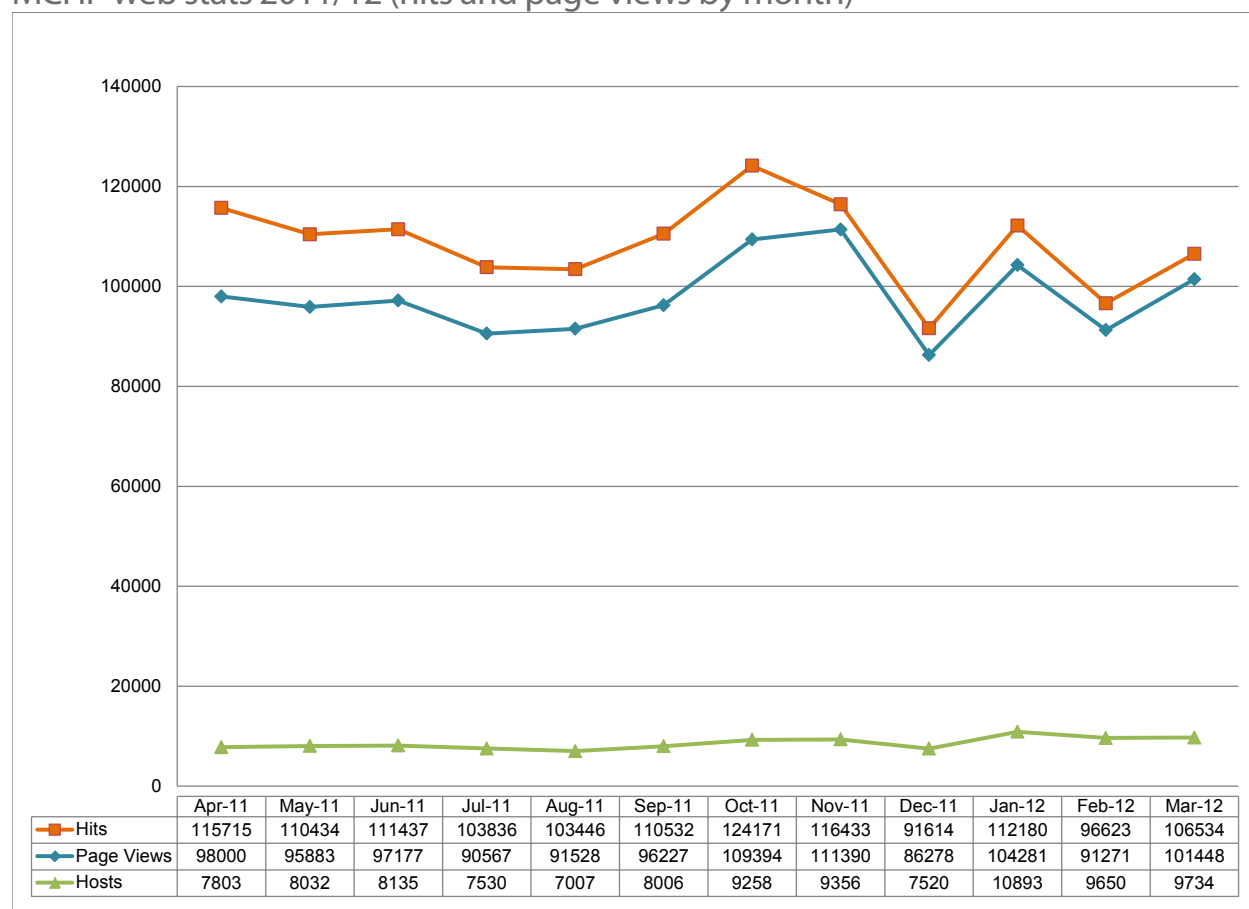
Website

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.

The University of Manitoba renewed its website template again in 2010. The Faculty of Medicine was the first faculty in the university to update all of its content — as such, MCHP's website changed again. With that change, there was another modification to the URLs for MCHP's content on the umanitoba.ca server. Web traffic was affected once again.

MCHP web stats 2011/12 (hits and page views by month)



MCHP Web Traffic

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.

Report Downloads

The table below represents the top 10 downloaded reports for the 2011/12 fiscal year.

Rank	Deliverable	Hits	Released
1	Profile of Metis Health Status and Healthcare Utilization in Manitoba: A Population-Based Study	30,295	2010
2	Patterns of Regional Mental Illness Disorder Diagnosis and Service Use in Manitoba: A Population-Based Study	14,953	2004
3	The Health and Health Care Use of Registered First Nations People Living in Manitoba: A Population-Based Study	14,419	2002
4	Assessing the Health of Children in Manitoba: A Population-Based Study	14,103	2001
5	Defining and Validating Chronic Diseases: An Administrative Data Approach	9,130	2006
6	What Works? A First Look at Evaluating Manitoba's Regional Health Programs and Policies at the Population Level	8,822	2008
7	Pharmaceutical Use in Manitoba: Opportunities to Optimize Use	7,804	2010
8	Alternatives to Acute Care	3,230	1996
9	Using Administrative Data to Develop Indicators of Quality Care in Personal Care Homes	4,688	2006
10	Effects of Manitoba Pharmacare Formulary Policy on Utilization of Prescription Medications	3,173	2009

Education

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 Personal Care Home Oral Health Interventions: An assessment of the current literature with implications for future research directions 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) Pat Martens (guest lecturer)
CHS 7730	Topics in Health Services Research	Malcolm Doupe
CHS 8600	Senior Seminar in Community Health Sciences	Leslie Roos

Courses in Other Departments

Faculty / Medicine	Course Title	Instructor
Continuing Medical Education	Seminar—A Short, Sweet and to the Point Research Primer: a workshop on understanding and designing research	Patricia Martens
Human Ecology	Seminar—Opportunities for Population-Based research: MCHP as a research resource	Patricia Martens
Medicine	Population Health Block 1	Alan Katz
Medicine	Critical Thinking and Clinical Reasoning	Alan Katz
Medicine	Tutorial—Health Policy (Med 1) Tutorial—Health Policy: Applying the concepts	Patricia Martens Malcolm Doupe
Medicine	Biostatistics to Med I students	Patricia Martens
Medicine	Biostatistics and Research Design	Patricia Martens
Medicine	Biostatistics to Physician Assistant Program students (year 1)	Patricia Martens
Medicine	Statistical Methods for Health Research Tutorial—Population Health and Medicine	Patricia Martens Malcolm Doupe
Medicine	Applying Statistical Methods for Health Research	Patricia Martens
Medicine	Lecture—Epidemiology of Health Care: MCHP reports (Metis health, health inequities)	Patricia Martens
Medicine	International Medical Graduate Orientation: Critical Thinking and Clinical Reasoning	Alan Katz
Physician Assistant Program	Biostatistics 1-5	Patricia Martens

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
Kyle Burkett	MD		Malcolm Doupe
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
Justine Gibbings	PhD		Noralou 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
Kenneth Lamm	PhD (University of Toronto)		Leslie Roos
Salme Lavign	PhD	Malcolm Doupe	
Leanne LeClair	PhD		Noralou Roos
Jackie Lemaire	PhD		Patricia Martens
Donatus Mutasingwa	PhD (University of Calgary)		Leslie Roos
Rachel McPherson	MSc	Patricia Martens	
Thomas Mutter	MSc	Leslie Roos	
Hanna Neufeld	PhD	Gail Marchessault	
Karen Penner	PhD		Patricia Martens
Qyang Pham	MD		Malcolm Doupe
Saila Preveen	MSc	Alan Katz	
Hude Quan	PhD		Leslie Roos
Janelle de Rocquigny	MSc	Noralou Roos	Leslie Roos

Hazel Rona	MSc	Malcolm Doupe	
Laura Rosella	PhD (University of Toronto)		Leslie Roos
Chelsea Ruth	MSc		Noralou Roos
Amber Shin	MD		Malcolm Doupe
Andrea Rush-Sirski	MSc		Alan Katz
Chelsea Ruth	MSc	Marni Brownell	Noralou Roos
Deepa Singal	PhD	Marni Brownell	Leslie Roos
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
Neng Wang	MD		Malcolm Doupe
Marcy Winget	PhD		Leslie Roos
Lauren Yallop	PhD	Marni Brownell	

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://umanitoba.ca/faculties/medicine/units/community_health_sciences/departamental_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.

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 databases; 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 2011/12 fiscal year. These 20 hour courses were developed and led by Charles Burchill, Associate Director, Data Access & Use, at MCHP.

Publications

Papers, Books, Book Chapters, Reports

2012

Bapuji SB, Lobchuk MM, McClement SE, Sisler J, Katz A, Martens PJ. Fecal occult blood testing instructions and impact on patient adherence. Accepted for publication in *Cancer Epidemiology* (March 12, 2012).

Chartier, M.J, Dumaine J, Sabourin E. (submitted to *Cahiers franco-canadiens de l'Ouest*) Vivre en français a la petite enfance et apprendre à l'école française, y a-t-il un lien?

Dart AB, Sellers EA, Martens PJ, Rigatto C, Brownell MD, Dean HJ. High burden of renal disease in youth onset type 2 diabetes. *Diabetes Care* Mar 19, 2012 [Epub ahead of print].

Doupe M, Palatnick W, Day S, Chateau D, Soodeen R-A, Burchill C, Derksen S. Frequent Users of Emergency Departments: Developing standard definitions and defining prominent risk factors. *Annals of Emergency Medicine*. Available online 1 February 2012 at <http://www.sciencedirect.com/science/article/pii/S0196064411018774>.

Fransoo R. My mum, my dad, and sex differences in cardiac care: How a sex-based analysis revealed the importance of age. In: *CIHR-IGH Casebook: What a Difference Sex and Gender Make*. Ottawa, ON: CIHR Institute of Gender and Health; 2012.

Garland A, Yogendran M, Olafson K, Scales DC, McGowan KL, Fransoo R: The Accuracy of Administrative Data for Identifying the Presence and Timing of Admission to Intensive Care Units in a Canadian Province. *Medical Care* 2012;50(3):e1-e6.

Gilbert R, Fluke J, O'Donnell M, Gonzalez-Izquierdo A, Brownell M, Gulliver P, Janson S, Sidebotham P. Child maltreatment: Variation in trends and policies in six developed countries. *The Lancet* 2012;379(9817):758-772.

Heaman MI, Martens PJ, Brownell MD, Chartier MJ, Helewa ME, Derksen SA, Thiessen K. Predictors of inadequate prenatal care: A population-based study in Manitoba, Canada. Abstract A082. *Journal of Paediatrics and Child Health* 2012; 48 (Suppl 1): 31.

Heaman MI, Martens PJ, Brownell MD, Chartier MJ, Helewa ME, Derksen SA, Lennon S. The association of inadequate prenatal care and maternal-infant outcomes: A population-based study in the Canadian province of Manitoba. Abstract A261. *Journal of Paediatrics and Child Health* 2012; 48 (Suppl 1): 80.

Katz A, Bogdanovic B, Ekuma O, Soodeen RA, Enns J. Pediatric primary care services in Manitoba: Is the health of the next generation of children at risk? *Health Policy* 2012;105(1):84-91.

Katz A, Halas G, Dillon M, Sloshower J. Describing the Content of Primary Care: Limitations of Canadian Billing Data. *BMC Family Practice* 2012;13:7.

Katz A, Lambert-Lanning A, Miller A, Kaminsky B, Enns J. The national Canadian Family Physician Cancer and Chronic Disease Prevention Survey. *Canadian Family Physician* 2012;58:e62-9.

Lobchuk MM, McClement SE, Bapuji SB, Sisler JJ, Katz A, Martens P, Turner D, Clouston K. What is the role of family in promoting fecal occult blood test screening? Exploring physician, average-risk individual, and family perceptions. Accepted by *Cancer Epidemiology* (January 16, 2012).

Luo ZC, Wilkins R, Heaman M, Smylie J, Martens PJ, McHugh NGL, Labranche E, Simonet F, Wassimi S, Minich K, Fraser WD. Birth outcomes and infant mortality among First Nations, Inuit, and non-Indigenous women by northern versus southern residence, Quebec. *J Epidemiol Community Health* 2012;66(4):328-333.

Martens PJ. The right kind of evidence — integrating, measuring, and making it count in health equity research. *Journal of Urban Health* (in press, March 16, 2012).

Martens PJ. What do Kramer's Baby Friendly Hospital Initiative PROBIT studies tell us? A review of a decade of research. *Journal of Human Lactation* (in press, January 13, 2012).

Quan H, Smith M, Bartlett-Esquilant G, Johansen H, Tu K, Lix L for Hypertension Outcome and Surveillance Team. Mining administrative health databases to advance medical science: Geographical considerations and untapped potential in Canada. *Canadian Journal of Cardiology* 2012;28:152-154.

Sisler JJ, Seo B, Katz A, Shu E, Chateau D, Czaykowski P, Wirtzfeld D, Singh H, Turner D, Martens P, and the CIHR/CCMB Team in Primary Care Oncology Research. Concordance with ASCO Guidelines for Surveillance After Colorectal Cancer Treatment: A Population-Based Analysis. *Journal of Oncology Practice*, JOP.2011.000396; published ahead of print January 31, 2012.

2011

Afifi TO, Cox BJ, Martens PJ, Sareen J, Enns MW. Developing a population health framework for studying problem gambling. *Canadian Journal of Community Mental Health* 2011;30(1):61-77.

Bernatsky S, Lix L, Hanly JG, Hudson M, Bradley E, Peschken C, Pineau CA, Clarke AE, Fortin PR, Smith M, Belisle P, Lagace C, Bergeron L, Joseph L. Surveillance of systemic autoimmune rheumatic diseases using administrative data. *Rheumatol Int* 2011;31(4):549-554.

Brownell M, Chartier M, Au W, Schultz J. Program for expectant and new mothers: a population-based study of participation. *BMC Public Health* 2011;11:691. <http://www.biomedcentral.com/1471-2458/11/691>.

Brownell M, Chartier M, Santos R, Au W, Roos N, Girard D. Evaluation of a newborn screen for predicting out-of-home placement. *Child Maltreatment* 2011;16(4):239-249.

Brownell M, Santos R, Chartier M, Girard D, Roos N. (2011) Predicting Child Maltreatment: Evaluation of a Newborn Screen Designed to Identify Children At-Risk for Abuse, Neglect and Family Disruption. *Child Maltreatment*, 16(4):239-49.

Elias B, Kliewer EV, Hall M, Demers AA, Turner D, Martens P, Hong SP, Hart L, Chartrand C, Munro G. The burden of cancer risk in Canada's Indigenous population: A comparative study of known risks in a Canadian region. *International Journal of General Medicine* 2011;4:699-709.

Gilbert R, Fluke J, O'Donnell M, Gonzalez-Izquierdo A, Brownell M, Gulliver P, Janson S, Sidebotham P. Child maltreatment variation in trends and policies in six developed countries. *Lancet* 2011;379(9817):758-772.

Hanlon-Dearman A, Brownell M, Chudley A, MacWilliam L, Longstaffe S, Roos N, Yallop L. Combining Clinic Data on Fetal Alcohol Spectrum Disorder (FASD) With Administrative Data on Health, Education and Social Services: Use of health and social services by children with FASD. Report for the Manitoba Medical Services Foundation, Winnipeg MB, June 30, 2011.

Hottes TS, Skowronski DM, Hiebert B, Janjua NZ, Roos LL, Van Caesele P, Law BJ, De Serres G. Influenza vaccine effectiveness among elderly Manitobans based on administrative databases: Change in immunization habit as a marker for bias. *PLoS ONE* 2011;6(7):e22618.

Katz A. Using Administrative data for quality improvement: Capacity and opportunity. Chapter 8. In: Flood CM, ed. *Data Data Everywhere: Access and Accountability?* Kingston, ON: School of Policy Studies, Queen's University; 2011:111-118.

Katz LY, Au W, Singal D, Brownell M, Roos N, Martens PJ, Chateau D, Enns MW, Kozyrskyj AL, Sareen J. Suicide and suicide attempts in children and adolescents in the child welfare system. *CMAJ* 2011;183(17):1977-1981.

Lavoie JG, Forget EL, Dahl M, Martens P, O'Neil JD. Is it worthwhile to invest in home care? *Healthcare Policy* 2011;6(4):39-55.

Leslie WD, Sadatsafavi M, Lix LM, Azimaee M, Morin S, Metge CJ, Caetano P. Secular decreases in fracture rates 1986-2006 for Manitoba, Canada: A population-based analysis. *Osteoporosis International* 2011;22(7):2137-2143.

Leslie WD, Metge C, Azimaee M, Lix LM, Finlayson G, Morin SN, Caetano P. Direct costs of fractures in Canada and trends 1996-2006: A population-based cost-of-illness analysis. *J Bone Miner Res* 2011;26(10):2419-2429.

Leslie WD, Lix LM, Yogendran MS. Validation of a case definition for osteoporosis disease surveillance. *Osteoporosis International* 2011;22(1):37-46.

Martens PJ. Are we in a pickle? Rethinking the world of research/user interaction (invited commentary). *Healthcare Papers* 2011;11(2):42-46.

Martens PJ, Bartlett JG, Prior HJ, Sanguins J, Burchill C, Burland E, Carter S. What is the comparative health status and associated risk factors for the Metis? A population-based study in Manitoba, Canada. *BMC Public Health* 2011;11:814.

Morin S, Lix LM, Azimaee M, Metge C, Caetano P, Leslie WD. Mortality rates after incident non-traumatic fractures in older men and women. *Osteoporosis International* 2011;2(9):2439-2448.

Mulvey MR, Doupe M, Prout M, Leong C, Hizon R, Grossberndt A, Klowak M, Gupta A, Melanson M, Gomori A, Esfahani F, Klassen L, Frost EE, Namaka M. *Staphylococcus aureus* harbouring Enterotoxin A as a possible risk factor for multiple sclerosis exacerbations. *Multiple Sclerosis Journal* 2011;17(4):397-403.

Namaka MP, Turcott DA, Klowak M, Leong CM, Grossberndt A, Dorze J-A, Prout ME, Andresen S, Vuong L, Melanson MJ, Frost EE, Doupe M. Early Mitoxantrone-Induced Cardiotoxicity Detected in Secondary Progressive Multiple Sclerosis. *Clinical Medicine Insights: Therapies*. 2011;3:449-458.

Roos LL, Manivong P, Hiebert B, Edgerton J, Walld R, MacWilliam L, de Rocquigny J. What is most important: Social factors, health selection, and adolescent educational achievement. *Social Indicators Research*. DOI 10.1007/s11205-011-9936-0. Published online: 30 September 2011. (Top ten downloaded, Health and Economy eJournal, Social Science Research Network).

Robitaille C, Dai S, Waters C, CCDSS Heart Disease Working Group. Monitoring ischemic heart disease prevalence and mortality in Canada. *Canadian Journal of Cardiology*, 2011 Sep; 27(5):Supp S141.

Rosella LC, Manuel D, Burchill C, Stukel TA, for the PHIAT-DM team. A population-based risk algorithm for the development of diabetes: development and validation of the Diabetes Population Risk Tool (DPoRT). *J Epidemiology Community Health* 2011;65(7):613-620.

Santos R, Chartier M, Whalen J, Chateau D, Boyd L. (2011) Effectiveness of school-based violence prevention for children and youth: Cluster randomized controlled field trial of the Roots of Empathy program with replication and 3-year follow-up. *Healthcare Quarterly* 2011;14:80-91.

Shooshtari S, Martens PJ, Burchill C, Dik N, Naghipur S. Prevalence of depression and dementia among adults with developmental disabilities in Manitoba (Canada). *International Journal of Family Medicine* 2011;Vol.2011 (Article ID 319574): doi:10.1155/2011/319574.

Smith M, Roos LL, Burchill C. Expanding the data repository: New technology and resources for the 21st century. *Healthcare Policy* 2011;6(Special Issue):104-106.

Presentations and Published Abstracts

2012

Brownell M. Can linked administrative data be used for ASD surveillance? Presented to the Advisory Committee for the Autism Spectrum Disorders Surveillance Program at the ASD Advisory Committee meeting, Ottawa, ON, March 6, 2012.

Brownell M. Approaches to monitoring early childhood development – innovative research in developmental trajectories and statistical analysis of population based data linkages. Population Data BC and CIHI Conference “Population Health Data Analysis: From Infrastructure to Innovation”, Vancouver, BC, February 8, 2012.

Chartier MJ, Cooper M, Volk J, Attawar D. Towards flourishing: Improving the mental health of families in Manitoba’s Families First Home Visiting program. Presentation at the Mental Health Summit, Winnipeg, MB, February 15, 2012.

Gilbert R, Fluke J, O’Donnell M, Gonzalez-Izquierdo A, Brownell M, Gulliver P, Janson S, Sidebotham P. Trends in child maltreatment in six developed countries. Presented at the Society for Social Work and Research Sixteenth Annual Conference “Research that Makes a Difference: Advancing Practice and Shaping Public Policy”, Washington, DC, January 11-15, 2012.

Hanlon-Dearman A, Brownell M, Chudley A, MacWilliam L, Longstaffe S, Roos N, Yallop L. Using linked administrative and clinic data to describe the use of health, education and social services by children with FASD in Manitoba. Poster Presentation at the Banff International Conferences on Behavioural Science: “Banff XLIV: Fetal Alcohol Spectrum Disorder: Challenges in Practice, Research and Policy”, Banff, AB, March 18, 2012.

Heaman MI, Martens PJ, Brownell M, Chartier MJ, Helewa ME, Derksen SA, Lennon S. The association of inadequate prenatal care and maternal-infant outcomes: A population-based study in the Canadian province of Manitoba. 17th Congress of the Federation of Asian and Oceania Perinatal Societies (FOAPS) and the 16th Annual Congress of the Perinatal Society of Australia and New Zealand (PSANZ), Sydney AU, March 21, 2012.

Heaman MI, Martens PJ, Brownell M, Chartier MJ, Helewa ME, Derksen SA, Thiessen K. Predictors of inadequate prenatal care: A population-based study in Manitoba, Canada. 17th Congress of the Federation of Asian and Oceania Perinatal Societies (FOAPS) and the 16th Annual Congress of the Perinatal Society of Australia and New Zealand (PSANZ), Sydney AU, March 19, 2012.

Heaman MI, Martens PJ, Brownell MD, Chartier MJ, Helewa ME, Derksen SA, Thiessen K. Predictors of inadequate prenatal care: A population-based study in Manitoba, Canada. Abstract A082. *Journal of Paediatrics and Child Health* 2012;48(Suppl 1):31.

Heaman MI, Martens PJ, Brownell MD, Chartier MJ, Helewa ME, Derksen SA, Lennon S. The association of inadequate prenatal care and maternal-infant outcomes: A population-based study in the Canadian province of Manitoba. Abstract A261. *Journal of Paediatrics and Child Health* 2012;48(Suppl 1):80.

Martens PJ, Caetano P, Chateau D, Targownik L, Alessi-Severini S on behalf of the CNODES Manitoba Team. CNODES – a leading-edge approach to researching the post-marketing safety and effectiveness of Canadian pharmaceuticals. Community Health Sciences Departmental Colloquium and Grand Rounds. Winnipeg, MB, March 9, 2012.

Martens PJ. Invited Plenary Speaker. Dress for Success: MCHP's three successful pillars of Research, Repository and KT. Population Data BC conference. Vancouver, BC, February 8, 2012.

Martens PJ. Invited Plenary Speaker. Panel discussion (Martens PJ and all other plenary speakers): Research impacts on population health policy. Population Data BC conference, Vancouver, BC, February 8, 2012.

Martens PJ. What works in changing population health, and what evidence do you need? Carmen Community Discussion Group, Carmen, MB, January 18, 2012.

Martens PJ. Longitudinal FOBT screening rates and measuring socio-economic inequity. CIHR/CancerCare Manitoba Team in Primary Care Oncology Research, Winnipeg, MB, January 13, 2012.

Roos LL. Information rich environments: New stuff. Presented at the MCHP Researcher Forum: PATHS Project, Winnipeg, MB, March 29, 2012.

Roos LL. Great possibilities: Using linked data in new ways. Presented at the MCHP Researcher Forum: PATHS Project, Winnipeg, MB, March 28, 2012.

Roos LL. The Manitoba data base—past and future. Presented at the Robert Wood Johnson Foundation Health & Society Scholars Seminar, San Francisco, CA, February 23, 2012.

Roos NP, Macdonald S. Working with the Community – Moving Forward as a Faculty. Community Health Sciences Colloquium Series, University of Manitoba, Winnipeg, MB, March 16, 2012.

Roos NP. Getting Health Policy Evidence to the Media: EvidenceNetwork.ca. Presented at the Robert Wood Johnson Foundation Health & Society Scholars Seminar, San Francisco, CA, February 23, 2012.

2011

Allard M, Frego A, Katz A, Halas G. Fuel the future: RNs working to full scope of practice. Poster presentation: Accelerating Primary Care Conference: Edmonton AB, October 2011.

Brownell M. The Manitoba Centre for Health Policy: An opportunity for monitoring early child development. Presented to the Early Years Task Group: The Premier's Advisory Council on Education, Poverty and Citizenship, Winnipeg, MB, June 10, 2011.

Brownell M. The Manitoba Centre for Health Policy: An opportunity for ASD surveillance? Presented at the ASD Surveillance in Canada Workshop, Ottawa, ON, May 9, 2011.

Brownell M. How are Manitoba's children doing? Presented at the Manitoba Centre for Health Policy and Manitoba Health Workshop, Winnipeg, MB, April 21, 2011.

Brownell M. Perinatal services and outcomes in Manitoba. Presented at the Manitoba Centre for Health Policy and Manitoba Health Workshop, Winnipeg, MB, April 21, 2011.

Chartier MJ. Nouveautés dans le domaine de la petite enfance. Panel d'expert, pour Atelier de gouvernance pour intervenants en jeune enfance, Winnipeg, MB, December 3, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. L'étude sur l'état de la santé et de l'utilisation des services de santé des francophones du Manitoba. Presented to the Forum provincial pour les intervenantes et les professionnelles de la santé et des services sociaux, Winnipeg, MB, November 4, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Study of the health and health care utilization of Francophones in Manitoba. Presented to Manitoba Centre for Health Policy and Rural and Northern Regional Health Authority Workshop, Winnipeg, MB, October 25, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Study of the health and health care utilization of Francophones in Manitoba. Briefing to the Minister of Health, Winnipeg, MB, October 17, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Study of the health and health care utilization of Francophones in Manitoba. Briefing to the Deputy Minister of Health and the Minister of Healthy Living, Seniors and Youth, Winnipeg, MB, July 25, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Mission difficile, mais non impossible : Comment étudier la santé et l'utilisation des services de santé des francophone du Manitoba. Presented to the Colloque international des programmes locaux et régionaux de santé, Ottawa, ON, June 27, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Study of the health and health care utilization of Francophones in Manitoba. Presented to Manitoba Health, Winnipeg, MB, June 24th, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Study of the health and health care utilization of Francophones in Manitoba. Presented to Manitoba Centre for Health Policy and Winnipeg Regional Health Authority Workshop, Winnipeg, MB, June 15th, 2011.

Chartier, MJ. What policymakers want to know. Presented to AllerGen Working Group, Calgary, AB, May 29, 2011.

Chartier MJ. Que faire pour influencer les habilités parentales au niveau de la population : L'approche Triple P au Manitoba. Presented at Colloque de GRAVE, Ste. Adèle, QC, May 20, 2011.

Chartier MJ, Finlayson G, Prior H, McGowan K, Chen H, de Rocquigny J, Ouelette C, Walld R, Gousseau M. Study of the health and health care utilization of Francophones in Manitoba. Presented to Manitoba Centre for Health Policy Advisory Board, Winnipeg, MB, May 18th, 2011.

Clouston K, Katz A, Hartley D. Developing knowledge translation strategies in primary care: Enhancing clinical practice through family physician-primary care research partnerships Workshop at Family Medicine Forum, Montreal QC, November 2011.

de Leon-Demare K, MacDonald J, Gregory D, Katz A, Iwasiw R, Halas G. An analysis of nurse practitioner-patient interactions: Application of King's Theory to practice. Poster presentation at the American Academy of Nurse Practitioners Conference, Las Vegas, NV, June 25, 2011.

Doupe M. Population Aging and the Continuum of Older Adult Care in Manitoba. Presented to the Medical Directors of Personal Care Homes, Winnipeg Regional Health Authority, Winnipeg, MB, June 16, 2011.

Doupe M, Fransoo R, Chateau D, Dik N. Understanding Co-morbidities of Nursing Home Residents. The Canadian Association for Health Services and Policy Research, Halifax, NS, May 9-12, 2011.

Doupe M, Fransoo R, Chateau D, Dik N. Projecting the Need for Nursing Home Beds in Manitoba. Poster presentation at The Canadian Association for Health Services and Policy Research, Halifax, NS, May 9-12, 2011.

Doupe M. Profiling the Needs of Nursing Home Residents: Understanding the bigger picture. Presented to the Executive Directors of Personal Care Homes, Winnipeg Regional Health Authority, Winnipeg, MB, April 28, 2011.

Gilbert R, Fluke J, O'Donnell M, Gonzalez-Izquierdo A, Brownell M, Gulliver P, Janson S, Sidebotham P. Trends in child maltreatment in six developed countries. Presented at the Society for Social Work and Research Sixteenth Annual Conference "Research that Makes a Difference: Advancing Practice and Shaping Public Policy", Washington, DC, January 11-15, 2012.

Green M, Katz A, Wong S. Variation in guidelines provided for the management and control of pandemic H1N1 Influenza in First Nations Communities in Ontario, Manitoba and Quebec. Canadian Association of Health Service and Policy Research, Halifax, NS, 2011.

Haggerty J, Hogg W, Wong S, Katz A, Burge F; Moderator: Levesque JF. Looking backward to move forward: A synthesis of primary care reform evaluation in Canadian provinces. Canadian Association of Health Service and Policy Research, Halifax NS, 2011.

Halas G, Katz A, McSwiggan J, Gregory D, deLeon-Demaré K, Macdonald J. Davis Observation Code: Describing patient encounters in a new era. College of Family Physicians of Canada - Family Medicine Forum, Montreal, QC, November 2011.

Hnatiuk JA, Duhamel TA, Katz A, Ready AE. Physical activity support in the health care system as measured by the physical activity support questionnaire. Poster presented at the International Society for Behavioural Nutrition and Physical Activity Conference, Melbourne, AU, June 15 – 18, 2011.

Katz A. Measuring effectiveness of primary health care; Plenary presentation at Accelerating Primary Care Conference, Edmonton AB, October 2011.

Katz A. Best brains exchange: CIHR sponsored exchange with Manitoba Health. Slowing the Growth Rate of Healthcare Expenditures; facilitator, September 2011

Katz A, Halas G, Jin, D. Cancer and chronic disease prevention: Promoting behavior change through the use of a computer-assisted risk factor identification tool (RFIT) Cancer in primary care research meeting Leeuven, Netherlands, May 2011.

Katz A, Hilderman T, Derksen S, McGowan K. Exploring the Impact of Immunization Programs in Manitoba. Poster presented at Canadian Association of Health Service and Policy Research Conference, May 2011

MacDonald J, deLeon-Demaré K, Gregory D, Katz A, Iwasiw R, Halas G. Embracing disturbances in clinical encounters: Understanding the nurse practitioner-patient relationship. Poster presentation at the National Organization of Nurse Practitioner Faculties Conference, Albuquerque, New Mexico, April 16, 2011.

Martens P, Brownell M, Chartier M, Helewa M, Thiessen K, Derksen S. Predictors of inadequate prenatal care: A population-based study in Manitoba. Poster presentation, Society for Pediatric and Perinatal Epidemiologic Research (SPER), Montreal, QC, June 20-21, 2011.

Martens PJ, Wilson B, Paradis G. Plenary III Chair and Speaker on "Beyond the Long-Form Census: The changing face of surveillance in Canada". CPHA National Conference. Public Health in Canada – Innovative Partnerships for Action, Montreal, QC, June 19-22, 2011.

Martens PJ. (oral abstract) Does being “Metis” persist as a risk factor for diabetes and related lower-limb amputations when other socio-demographic and health services factors are taken into account? CPHA National Conference. Public Health in Canada — Innovative Partnerships for Action, Montreal, QC, June 19-22, 2011.

Martens PJ. MCHP turning straw into gold — KT’ing research in population health. PHIR-NET Summer Institute 2011, Montreal, June 18-19th, 2011.

Martens PJ. An overview of MCHP. Health inequities in Winnipeg: A collaborative discussion about narrowing the gap. MCHP/WRHA Annual Workshop, Winnipeg, MB, June 15, 2011.

Martens PJ. Plenary: Health inequities in Manitoba. MCHP/WRHA Annual Workshop, Winnipeg, MB, June 15, 2011.

Martens PJ. Profile of Metis health status and healthcare utilization in Manitoba. MCHP/WRHA Annual Workshop. Winnipeg, MB, June 15, 2011.

Martens PJ. MCHP data — informing decision-making. Congress of the Humanities and Social Sciences. Canadian Population Society and the Population Change and Lifecourse Strategic Knowledge Cluster. New Uses for Government Administrative Data: Opportunities for evidence-based policymaking in Canada, Fredericton, NB, May 31, 2011.

Martens PJ, Freeman J. (1) CIHR/IHSPR Workshop on grant writing for graduate and post-doctoral students. (2) The Lorenz Curve as a health inequity measure – what can it tell us for future planning? A Manitoba population-based study. (3) Peer review panels: problems and possibilities? Survivor Ottawa, CAHSPR National Conference, Halifax, NS, May 9-12th, 2011.

Martens PJ. Survey research 101: Ask a silly question Invited plenary speaker. Manitoba Association of Health Information Providers. Virtual Realities - Information Pathways in a Digital World Conference, Winnipeg, MB, May 5, 2011.

Martens PJ. The big effects of small effects. Invited plenary speaker. Rehabilitation Research Day. Winnipeg, MB, May 4, 2011.

Martens PJ. What impacts the health of communities? Invited speaker. WRHA Community Health Advisory Councils’ Meeting, Winnipeg, MB, May 3, 2011.

Martens PJ. The MCHP model of informing decision-making. Invited speaker. Becoming the Best: Game-changing Health Innovations, sponsored by the Institute of Health Economics, Edmonton, AB, May 2, 2011.

Martens PJ. The Metis Report. Plenary speaker. MCHP/Manitoba Health Annual Workshop Day, Winnipeg, MB, April 21, 2011.

Martens PJ. MCHP – Who we are and what we do. Youth Suicide Prevention Strategy Implementation Steering Committee, Winnipeg, MB, April 18, 2011.

Martens PJ. The Manitoba Centre for Health Policy as a resource for research and service planning. Invited plenary speaker. Department of Clinical Health Psychology, Faculty of Medicine, U of Manitoba. Psychology in Health Research Day, Winnipeg, MB, April 15, 2011.

Roos LL. Reinventing research—provincial perspectives, international importance. Presentation at a reception for the Royal Society of Canada members, University of Manitoba, Winnipeg, MB, April 21, 2011.

Roos NP. Academics and the policy process. Lecture to the Senior Seminar in Community Health Sciences course, Winnipeg, MB, November 22, 2011.

Roos NP, Brownell M, Katz L. CFS children need help before/during/after. Presented to the Child and Family Services Standing Committee, Winnipeg, MB, November 16, 2011.

Roos NP, Brownell M, Roos L. Social pediatrics & epigenetics: What we know and might know using Manitoba Data. Presented at MICH Child Health Research Day, Winnipeg, MB, October 6, 2011.

Roos NP, Ford Jones E. How do you tell the poverty story? Presented at the Canadian Science Writers Association Annual Conference, Calgary, AB, June 11, 2011.

Roos N, Brownell M, Fransoo R. How do educational outcomes vary by socioeconomic status? Presented to the Department of Manitoba, Education, Winnipeg, MB, April 20, 2011.

Ruth CA, Roos N, Hildes-Ripstein E, Brownell M. Infants born at less than 40 weeks gestation are at increased risk of hospital admission over the first year of life. Presented at The Pediatric Academic Societies/Asian Society for Pediatric Research Joint Meeting, Denver, CO, May 2, 2011.

Ruth CA, Roos N, Hildes-Ripstein E, Brownell M. The impact of gestational age and socioeconomic status on neonatal readmissions. Presented at The Pediatric Academic Societies/Asian Society for Pediatric Research Joint Meeting, Denver, CO, May 2, 2011.

St. John P, Strang D, Doupe M. Adverse Events in For-profit and Not-for-profit Nursing Homes in Manitoba. The Canadian Geriatrics Society 31st Annual Scientific Meeting, Vancouver, BC, April 14-16, 2011.

Evidence Network

Dr. Noralou Roos launched EvidenceNetwork.ca — a non-partisan web-based project funded by the Canadian Institutes of Health Research and the Manitoba Health Research Council in April 2011. It was cofounded with Dr. Sharon Manson Singer. Its mission is to make the latest evidence on controversial health policy issues available to the media. This site links journalists with health policy experts to provide access to credible, evidence-based information.

The network is made up of independent, highly-qualified researchers and experts across the country who responds to requests for information and interviews quickly to meet deadlines. EvidenceNetwork.ca provides information on timely topics and breaking health policy stories. They aim to make sense of the often complex and controversial issues facing Canadians and their healthcare system. Their media presence has been increasing in 2011/12 highlighting its growth. A number of op-eds and other mentions appear in major media outlets such as The Huffington Post, Globe & Mail, and the Toronto Star.

people

MCHP Faculty and Staff

The following is a list of all staff who worked at MCHP at any point between April 1, 2011 and March 31, 2012.

Director

Patricia Martens, Director, Professor, Senior Research Scientist

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

Charles Burchill, Associate Director - Data Access & Use

John Dziadek, Associate Director - Administration

Carole Ouelette, Executive Assistant to the Director

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; Assistant Professor – University of Manitoba

Malcolm Doupe, Senior Research Scientist; Associate 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

Patricia Martens, Director; Senior Research Scientist; 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

Mark Smith, Associate Director – Repository; Research Scientist

Research Coordinators

Ruth-Ann Soodeen, Lead Research Project Coordinator

Elaine Burland, Research Project Coordinator

Ina Koseva, Research Project Coordinator

Chelsey McDougall, Research Project Coordinator

Kari-Lynne McGowan, Research Project Coordinator

Jennifer Schultz, Research Project Coordinator

Research Assistants

Aynsle Hinds, Research Assistant

Chun Yan Goh, Research Assistant

Jessica Jarmasz, Research Assistant

Data Acquisition

J. Patrick Nicol, Lead Data Acquisition Officer

Mahmoud Azimaee, Data Acquisition Officer

Angela Tan, Data Acquisition Officer

Dave Towns, Data Acquisition Officer

Repository Access and Documentation

Ruth Bond, Manager of Repository Access and Documentation

Jo-Anne Baribeau, Repository Access Coordinator

Ken Turner, Repository Data Analyst

Programming & Systems Development

Wendy Au, Data Analyst

Bogdan Bogdanovic, Data Analyst

Hui Chen, Data Analyst

Matthew Dahl, Data Analyst

Shelley Derksen, Data Analyst

Natalia Dik, Data Analyst

Oke Ekuma, Data Analyst

Say Hong, Data Analyst

Sazzadul Khan, Data Analyst

Leonard MacWilliam, Data Analyst

Phongsack Manivong, Data Analyst

Heather Prior, Data Analyst

Joykrishna Sarkar, Data Analyst

Carole Taylor, Data Analyst

Randy Walld, Data Analyst

Marina Yogendran, Data Analyst

Information Technology

Rod McRae, IT Manager

Darrin Halabuza, IT Support

Communications

Jack Rach, Communications Officer

Research Support

Carole Ouelette, Office Manager

Angela Bailly, Research Support

Eileen Boriskewich, Research Support

Theresa Daniuk, Research Support

Kara Dyck, Research Support

Wendy Guenette, Research Support

Shannon Lussier, Research Support

Leanne Rajotte, Research Support

Finance

Ariel Bautista, Grants Accountant

Sophie Buternowsky, Senior Grants Accountant

Linda Kostiuk, Grants Accountant

Nora Platte, Grants Accountant

Special Awards and Honours

2012

- Alan Katz: Chair in Primary Prevention Research
- Noralou Roos: Elected Fellow, Canadian Academy of Health Sciences

2011

- Patricia Martens: Baby Friendly Manitoba Award for innovation in research
- Patricia Martens: Elected Fellow, International Lactation Consultant Association

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, 2012.

Members by Position:

Director of the Manitoba Centre for Health Policy: **Dr. Patricia Martens**

Deputy Minister of Health: **Milton Sussman**

Founding Directors: **Drs. Noralou Roos** and **Leslie Roos**

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

One representative from Treasury Board: **Dave Shanks**

Dean of the Faculty of Medicine, University of Manitoba: **Dr. Brian Postal**

Manitoba Health Liaise: **Deborah Malazdrewicz**

Appointed Members: Up to seven appointees of Manitoba Health

1. **Harvey Bostrom**, Deputy Minister, Aboriginal and Northern Affairs
2. **John Clarkson**, Deputy Minister, Innovation, Energy and Mines
3. **Grant Doak**, Deputy Minister, Family Services and Consumer Affairs
4. **Gerald Farthing**, Deputy Minister, Education
5. **Heather Reichert**, Deputy Minister, Advanced Education and Literacy
6. **Monique Vielfaure Mackenzie**, Chief Executive Officer, South Eastman RHA
7. *Vacant*

Appointed Members: Up to seven appointees of the University of Manitoba

1. **Dr. David Collins**, Vice Provost, Academic Planning and Programs, University of Manitoba
2. **Dr. Digvir Jayas**, Vice President, Research, University of Manitoba
3. **Dr. Terry Klassen**, Director of Research, Manitoba Institute of Child Health, University of Manitoba
4. **Dr. J. Fraser Mustard**, President, The Founder's Network, Toronto
5. **Dr. S. Leonard Syme**, Professor of Epidemiology and Community Health (Emeritus) University of California, Berkeley
6. **Dr. Michael Moffatt**, Executive Director, Research and Applied Learning Division, Winnipeg Regional Health Authority
7. **Mr. Reg Toews**, Former Chief Executive Officer, South Eastman RHA

Ex Officio Members:

Dr. Alan Katz, Associate Director, Research, MCHP

Mark Smith, Associate Director, Repository, MCHP

Charles Burchill, Associate Director, Data Access and Use, MCHP

John Dziadek, Associate Director, Administration, MCHP

MCHP Staff Support to Advisory Committee

Carole Ouelette, Executive Assistant to the Director, MCHP

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 Metis 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 Mnaymneh 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

Lisa Lix, PhD, MSc, Associate Professor and Centennial Chair, School of Public Health, University of Saskatchewan

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 Centre 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

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 Affi, University of Manitoba

Murray Alexander, University of Winnipeg

Annette Alix-Roussin, Aboriginal Health Program, Winnipeg Regional Health Authority

Jody Allan, Planning and Evaluation, Assiniboine Regional Health Authority

Gary N. Altman, University of Manitoba

Kristin Anderson, Public Health and Primary Health Care Division, Manitoba Health

Allen M. Backman, School of Public Health, University of Saskatchewan

Morris Barer, Centre for Health Services and Policy Research, University of British Columbia

Louis Barré, Canadian Institute for Health Information

Della Beattie, Health System Development Branch, Manitoba Health

Trish Bergal, Winnipeg Regional Health Authority

Charles Bernstein, Internal Medicine, University of Manitoba

Angèle Bilodeau, Le Centre Léa-Roback

Laurel Biluk, Interlake Regional Health Authority

Lorie-Anne Blair, Quality and Risk, Assiniboine Regional Health Authority

James Blanchard, Community Health Sciences, University of Manitoba

Tom Blydt-Hansen, Department of Pediatrics and child Health, University of Manitoba

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

James Bolton, Department of Psychiatry, University of Manitoba

Ivy L. Bourgeault, Interdisciplinary School of Health Sciences, University of Ottawa

W. Thomas Boyce, University of British Columbia

J Brehaut, Scientist, Clinical Epidemiology, Ottawa Hospital Research Institute

Sonia Busca Owczar, Health System Development Branch, Manitoba Health

Patricia Caetano, Public Health, Manitoba Health

Maggie Campbell, Parkland Regional Health Authority

Anne Casebeer, Department of Community Health Sciences, University of Calgary

Alan Cassels, University of Victoria

Geneviève Charette, Anxiety Disorders Association of Canada

Caroline Chartrand, Manitoba First Nations Diabetes Integration Project

Albert Chudley, Children's Hospital of Winnipeg

Kathleen Clouston, Family Medicine, University of Manitoba

Eyal Cohen, Assistant Professor, University of Toronto

Angela Colantonio, University of Toronto and Toronto Rehabilitation Institute

Marion Cooper, Mental Health Promotion, Winnipeg Regional Health Authority

Brian J. Cox, University of Manitoba

Ruth-Anne Craig, Mood Disorders Society of Canada

Jane Curtis, Central Regional Health Authority

Piotr Czaykowski, Internal Medicine, University of Manitoba

Carl D'Arcy, School of Public Health, University of Saskatchewan

Lorraine Dacombe Dewar, Health System Monitoring Branch, Manitoba Health

Alison Dart, Graduate Student, Pediatric Nephrology, Health Sciences Centre, Winnipeg, MB

Suzanne Day, Department of Sociology, York University

Gaston De Serres, Department of Social and Preventive Medicine, Université Laval

Heather Dean, Department of Pediatrics, Faculty of Medicine, University of Manitoba

Alain A. Demers, University of Manitoba; CancerCare Manitoba

Suzanne Dick, North Eastman Regional Health Authority

Michael Dillon, Department of Family Medicine, Faculty of Medicine, University of Manitoba

Francois Dionne, University of British Columbia

Jino Distasio, University of Winnipeg

Roy T. Dobson, College of Pharmacy and Nutrition, University of Saskatchewan

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

Jim Dunn, Department of health, Aging and Society, McMaster University

Lawrence Elliott, Community Health Sciences, University of Manitoba

Dennis Embry, Pax Institute

Jennifer Enns, Department of Family Medicine, Faculty of Medicine, University of Manitoba

Murray Enns, Department of Education, Government of Manitoba

Pierre-Paul Ernst, McGill University

Farid Esfahani, Department of Neurology, Health Sciences Centre, Winnipeg, MB

Steven Feldgaier, Anxiety Disorders Clinic, St. Boniface General Hospital

David N. Fisman, Dalla Lana School of Public Health, University of Toronto

John Fluke, Child Protection Research Center, American Humane Association, Englewood, CO, USA

Charles J. Frankish, Institute of Health Promotion and Research, University of British Columbia

William D Fraser, Department of Obstetrics and Gynecology, Sainte-Justine Hospital, University of Montreal

Bonnie Frith, North Eastman Regional Health Authority

Emma E. Frost, Faculty of Pharmacy, University of Manitoba

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

Patricia Furer, Clinical Health Psychology, University of Manitoba

Michelle Gaber, Parkland Regional Health Authority

Randy Gesell, Churchill Regional Health Authority

William A. Ghali, Faculty of Medicine, University of Calgary

Ruth Gilbert, Centre for Evidence-Based Child Health, United Kingdom

Richard H. Glazier, University of Western Ontario

Andrew Gomori, Department of Neurology, Health Sciences Centre, Winnipeg, MB

Arturo Gonzalez-Izquierdo, UCL Institute of Child Health, London, UK

Ruth Graham, Department of Anesthesia, Faculty of Medicine, University of Manitoba

Amy Grossberndt, Faculty of Pharmacy, University of Manitoba

Anne Guevremont, Statistics Canada

Jan Guinness, South Eastman Regional Health Authority

Pauline Gulliver, University of Otago, Dunedin, New Zealand

Aneri Gupta, Faculty of Pharmacy, University of Manitoba

Astrid Guttmann, University of Toronto, Sick Kids

Heather D. Hadjistavropoulos, University of British Columbia

Gayle Halas, Department of Family Medicine, Faculty of Medicine, University of Manitoba

Madelyn Hall, Faculty of Medicine, University of Manitoba

Ana Hanlon-Dearman, Department of Pediatrics & Child Health, Faculty of Medicine, University of Manitoba

Marion Harrison, CancerCare Manitoba

Lyna Hart, Assembly of Manitoba Chiefs Health Information Research Governance Committee

Penelope Hawe, University of Calgary

Michael E. Helewa, Obstetrics & Gynecology, University of Manitoba

Brenda R. Hemmelgarn, Division of Nephrology, University of Calgary

David Henry, Institute for Clinical and Evaluative Sciences, ICES

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

Nicholas Hirst, Winnipeg Free Press

Romeo Hizon, National Microbiology Laboratory

Nathan Hoeppner, Interpretation & Research, Manitoba Health

Martha E. Horsburgh, University of Saskatchewan

Travis S. Hottes, BC Centre for Disease Control

Nancy Hughes, Churchill Regional Health Authority

Susan Hunter, Quality, Planning and Evaluation, Brandon Regional Health Authority

Jan Hux, Scientist, Sunnybrook Research Institute, University of Toronto

Catherine Hynes, Nor-Man Regional Health Authority

Naveed Z. Janjua, BC Centre for Disease Control; School of Population Health University of British Columbia

Steffan Janson, Karlstad University, Sweden

Leah Janzen, University of Manitoba

Nathalie Jette, Neurology, University of Calgary

Asad Junaid, Department of Internal Medicine, Faculty of Medicine, University of Manitoba

Barbara Kaminsky, Canadian Cancer Society British Columbia and Yukon Division

Laurence Katz, Department of Psychiatry, Faculty of Medicine, University of Manitoba

Corey Keyes, Department of Sociology, Emory University

Loressa Klassen, Department of Neurology, Health Sciences Centre, Winnipeg, MB

Erich V. Kliewer, University of Manitoba; CancerCare Manitoba; British Columbia Cancer Agency

Meghann Klowak, Faculty of Pharmacy, University of Manitoba

Dafna Kohen, University of Ottawa

Gerald Konrad, UPCON Lead Physician, Family Medicine Centre, St. Boniface General Hospital

Allen Kraut, Depts of Internal Medicine and Community Health Sciences, Faculty of Medicine, University of Manitoba

Stan Kutcher, Faculty of Medicine, Department of Psychiatry, Dalhousie University

Elena Labranche, Nunavik Regional Board of Health and Social Services

Anita Lambert-Lanning, Department of Family & Community Medicine, University of Toronto

Lorraine Larocque, Burntwood Regional Health Authority

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

Jacques Leloir, McGill University

Christine Leong, Faculty of Pharmacy, University of Manitoba

Rein Lepnum, School of Public Health, University of Saskatchewan

Adrian R. Levy, University of British Columbia

Sally Longstaffe, Children's Hospital of Winnipeg

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

Sharon Manson Singer, School of Public Policy & Administration, Carleton University

Gregory Marchildon, University of Regina

Ruth-Ann Marrie, Department of Internal Medicine, Faculty of Medicine, University of Manitoba

Deborah Marshall, McMaster University

Susan McClement, Manitoba Palliative Care Research Unit, CancerCare Manitoba

Nancy McPherson, Brandon Regional Health Authority

Rachel McPherson, Health Information Management, Manitoba Health

Jonathan M. McGavock, Manitoba Institute of Child Health

Nancy GL McHugh, First Nations of Quebec and Labrador Health and Social Services Commission

Maria Melanson, Department of Neurology, Health Sciences Centre, Winnipeg, MB

Devidas Menon, School of Public Health, University of Alberta

Colleen Metge, Winnipeg Regional Health Authority

Anthony Miller, Dalla Lana School of Public Health, University of Toronto

Katherine Minich, Department of Community Health Sciences, University of Toronto

Sayed Moghadas, York University

Ales Morga, South Eastman Regional Health Authority

Margaret L. Morris, Obstetrics & Gynecology, University of Manitoba

Teresa Mrozek, Health System Monitoring, Regional Programs & Services, Manitoba Health

Michael R. Mulvey, National Microbiology Laboratory; University of Manitoba

Garry Munro, Assembly of Manitoba Chiefs Health Information Research Governance Committee

Cam Mustard, Department of Public Health Sciences, Faculty of Medicine, University of Toronto

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

Saba Naghipur, Faculty of Science, University of Manitoba

Michael Namaka, Faculty of Pharmacy, University of Manitoba; Department of Neurology, Health Sciences Centre, Winnipeg, MB

Tom Noseworthy, Faculty of Medicine, University of Calgary

Paul Nyhof, Health Links-Info santé, Misericordia Hospital

Melissa O'Donnell, University of Western Australia

Kendiss Olafson, Department of Internal Medicine, Faculty of Medicine, University of Manitoba

William Ong, Department of Anesthesia, Faculty of Medicine, University of Manitoba

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

Wes Palatnick, Department of Emergency Medicine, Faculty of Medicine, University of Manitoba

Wanda Phillips-Beck, Assembly of Manitoba Chiefs

Nicolino Pizzi, University of Alberta

Robert W. Platt, McGill University

Barbara Poole, BC Cancer Agency

Louise Potvin, University of Montreal

Michael Prout, Faculty of Pharmacy, University of Manitoba

Clare Ramsey, Department of Internal Medicine, Faculty of Medicine, University of Manitoba

Claudio Rigatto, Internal Medicine, University of Manitoba

Laura Rosella, Public Health Ontario; Institute for Clinical Evaluative Sciences

Vivian Salmon, Burntwood Regional Health Authority

Susan Samuel, University of Alberta

Jitender Sareen, Department of Psychiatry, University of Manitoba

Damon Scales, Department of Medicine, Faculty of Medicine, University of Toronto

Elizabeth A. Sellers, Pediatrics and Child Health, University of Manitoba

Gustaaf Sevenhuysen, Faculty of Human Ecology, University of Manitoba

Leigh Anne Shafer, Internal Medicine, University of Manitoba

Garry Shen, Internal Medicine, University of Manitoba

Sam Sheps, School of Population and Public Health, University of British Columbia

Peter Sidebotham, University of Warwick, Coventry, UK

Anne Silversides, Freelance Journalist

Fabienne Simonet, Department of Obstetrics and Gynecology , Sainte-Justine Hospital, University of Montreal

Deepa Singal, Faculty of Medicine, University of Manitoba

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

Jeff Sisler, Primary Care Oncology, CancerCare Manitoba

Danuta M. Skowronski, BC Centre for Disease Control; School of Population Health, University of British Columbia

Jordan Slosower, Department of Family Medicine, Faculty of Medicine, University of Manitoba

Janet Smylie, Department of Family Medicine, University of Ottawa

Heather Sparling, Health System Development Branch, Manitoba Health

Rae Spiwak, Department of Psychiatry, University of Manitoba

Lisa Strohschein, Department of Sociology, University of Alberta

Thérèse Stukel, University of Toronto

Samy Suissa, McGill University

Mark Taylor, Bluewater Health

Gary F. Teare, University of Saskatchewan

Joy Tetlock, Nor-Man Regional Health Authority

Sally E. Thorne, University of British Columbia

Karen Toews, Rural Family Physician, CCPN Physician, Steinbach Family Medicine Centre

Donna Turner, Epidemiology and Cancer Registry, CancerCare Manitoba

Paul Van Caesele, Cadham Provincial Laboratory, Manitoba Health

Donald Voaklander, School of Public Health, University of Alberta

Jennifer Volk, (PhD Candidate) Department of Clinical Psychology, Faculty of Arts, University of Manitoba;
Healthy Child Manitoba Office

John Walker, Department of Clinical Psychology, Faculty of Arts, University of Manitoba

Spogami Wassimi, Department of Obstetrics and Gynecology, Sainte-Justine Hospital, University of Montreal

Deborah E. White, University of Calgary

Russell Wilkins, Statistics Canada

Lori Wilkinson, Department of Sociology, Faculty of Arts, University of Manitoba

Jianhong Wu, Department of Mathematics and Statistics, York University

Committees

Marni Brownell

- Member, Health Care Access Research and Developmental Disabilities Advisory Board
- Member, International Society for the Prevention of Child Abuse and Neglect (ISPCAN)
- Member, Pan-Canadian EDI Academic Group
- Member, Congenital Anomalies Surveillance System in Manitoba Advisory Group
- Member, CIHR Peer Review Committee – Health Research Training B
- Member (Scientist) Manitoba Institute for Child Health
- Member Early Childhood Development Monitoring Network
- Member, International EDI Technical Group
- Member, Advisory Committee on the Development of an Economic Impact Model for Fetal Alcohol Spectrum Disorder
- Member, Canadian Association for Health Policy and Services Research
- Member, Provincial Public Health Statistical System committee, Province of Manitoba
- Member, Manitoba Centre for Health Policy Research Funding Committee
- Member, College of Reviewers for the Canada Research Chairs Program
- St. Amant Centre Community Research Advisory Committee
- Canadian Public Health Association
- Peer Review Committee Member The Canadian Initiative on Social Statistics (CISS)
- Strategic Joint Initiative of SSHRC and Statistics Canada.
- Society for Research in Child Development

Malcolm Doupe

- Member, Selection Committee, Community Health Sciences, Faculty of Medicine, University of Manitoba (position # 800-005-12)
- Member, Graduate Committee, Community Health Sciences.
- Director, Western Regional Training Program, University of Manitoba.
- University Representative, Health Information Privacy Committee, Manitoba Health and Health Living.
- Community Health Sciences Representative, BSc Medicine Student Selection Committee.
- Manitoba Centre for Health Policy Representative and Organization Member, Manitoba Institute for Patient Safety, Inc.
- Chair, Annual Workshop for the Winnipeg Regional Health Authority / Manitoba Centre for Health Policy.
- Member, Special Committee Reviewing Graduate Student Acceptance Timelines and Procedures, Community Health Sciences.
- Member, Special Committee Reviewing Graduate Studies Regulations, Community Health Sciences.
- 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

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

Alan Katz

- Appraiser, PSI Foundation Grants Committee
- Member, CancerCare Manitoba Guidelines Implementation Steering Committee
- Board Member, Canadian Doctors for Medicare
- Member, pan-Canadian PHC Indicator Update Advisory Committee
- Member, Undergraduate Education Committee, University of Manitoba, Faculty of Medicine, Department of Community Health Sciences
- Reviewer, Health Science Inquiry
- Member, The Foundation for Medical Practice Education: review of educational module: Cancer Prevention: Role of Exercise
- Member, Fiscal Committee, University of Manitoba, Faculty of Medicine, Department of Family Medicine

Patricia Martens

- Invited Core Member of the Australian National Health and Medical Research Council's International Expert Review Panel (IERP) for the Partnership Centres Program (Chair: Jonathan Lomas). (2012-2015)
- Faculty of Medicine Reconsideration of Admissions Decisions Committee. Chair: Dr. Gary Harding. March 2012+
- Invited member of the National Advisory Committee on Health Inequalities Indicators Reporting (PHAC, CIHI). April to August, 2012. Chair: Dr. Cory Neudorf.
- Member of the Inaugural Scientific Advisory Committee of the Institute for Clinical Evaluative Sciences. (2012+)
- National Collaborating Centre for Determinants of Health. Advisory Committee to the Population Health Status Reporting Initiative – invited member (2012-2013)
- CIHR's External Advisory Group on Data Strategy for SUPPORT Units, Canada's Strategy for Patient-Oriented Research – invited member. (January 2012 – June 2012).
- Department of Community Health Sciences Promotion and Tenure Committee, Faculty of Medicine, University of Manitoba (September 2011-2014).
- Department of Community Health Sciences Committee on PhD Comprehensive Examinations. Committee member. Chair: Dr. Evelyn Forget. (September 2011++)
- CIHR's Financing, Sustainability, and Governance Working Group – member (Chair: Dr. Pierre-Gerlier Forest). 2011-2013
- Member of the Headship Search Committee for the Department of Community Health Sciences (2011)
- Faculty Executive Council of the Faculty of Medicine (CHS representative). January 2011 – January 2013.
- Member of the Senate Committee on University Research (2006-2009, 2009-2012, 2012-2014), University of Manitoba.
- St. Boniface Hospital BFI Accreditation Committee (2011).
- Interviewer for the Admissions to Faculty of Medicine (MMI): March 2004, March 2007, March 2009, February 2010, March 2011, March 2012.
- Member: Manitoba E-Health Research Advisory Committee (Chair: Dr. Diamond Kassum) (2008+)
- Member of the Network of Centre Directors in Health Services and Policy Research (CIHR IHSPR, CHSRF, CAHSPR). April 2004+)
- ACADRE Review/Advisory Committee (2002 onward) (Aboriginal Capacity and Developmental Research Environments), through the Manitoba First Nation Centre for Aboriginal Health Research
- Individual expert member on the Breastfeeding Committee for Canada (2001- present)

Leslie Roos

- Member, College of Reviewers, Canada Research Chairs Program

Noralou Roos

- Chair, Scientific Panel for E-Health Centres, Medical Research Council, UK
- Member, Winnipeg Poverty Reduction Council, Strengthening the Core Working Group.
- Member, Academic Enhancement Group, University of Manitoba
- Member, United Way of Winnipeg, Early Childhood and Education Working Group
- Member, Expert Panel on the State of Science & Technology for the Council of Canadian Academies
- Member, Provincial Health 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

Mark Smith

- Co-Chair, Innovation and Research Work Group, Department of Mental Health and Spiritual Health Care, Manitoba Health
- Chair, Infrastructure for Sharing Knowledge, Pan-Canadian Task Group on Data Validation and Documentation of Administrative Data
- Member, Risk Analysis Expert Working Group, Mental Health Commission of Canada
- Co-Chair, Mental Health Advisory Committee, Public Health Agency of Canada
- Member, Canadian Chronic Disease Surveillance System – Science Committee, Public Health Agency of Canada
- Member, Task Group to Draft Case Validation Framework, Public Health Agency of Canada
- Member, Cardiovascular Diseases P/T Surveillance Working Group, Public Health Agency of Canada
- Member, MCHP Administrative Management Committee
- Member, MCHP Executive Management Committee
- Member, MCHP Data Management Committee
- Chair, MCHP Repository Management Committee
- Member, Manitoba Chronic Disease Surveillance Advisory Committee, Manitoba Health
- Member, Chronic Respiratory P/T Surveillance Working Group, Public Health Agency of Canada
- Member, Mental Health P/T Surveillance Working Group, Public Health Agency of Canada

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 funds available from these other sources for 2011/2012 fiscal year totalled approximately \$3.467M (Figure 2).

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.

Roos Award in Population Health

The Les and Noralou Roos Graduate Student Scholarship Endowment Fund was established in March 2010 to honour the pioneering work of Drs. Leslie and Noralou Roos in the use of administrative data for research, and their role in the creation of the Manitoba Centre for Health Policy (MCHP). To date, no awards have been distributed.

Personnel Awards

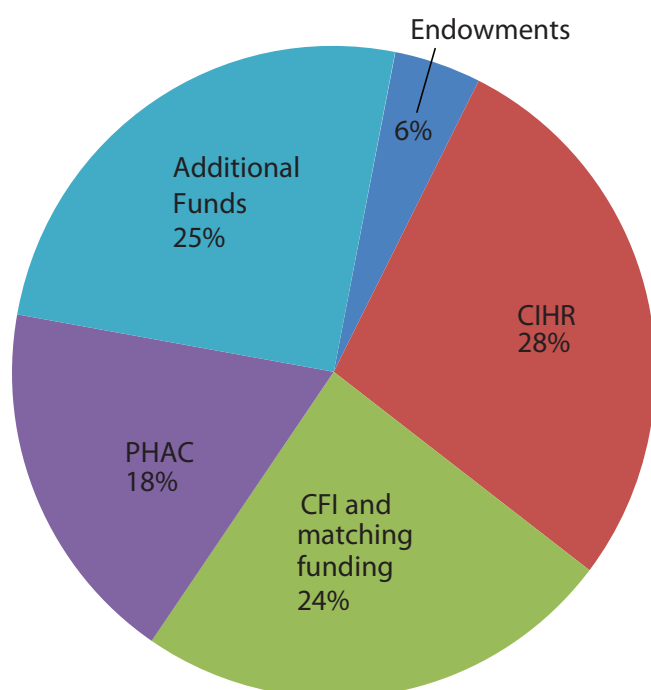
- Randy Fransoo, The Gerry McDole Professorship, 2010-2013, \$50,000 per year
- Patricia Martens: CIHR/PHAC Applied Public Health Chair, 2008-2013, \$120,000 per year

Figure 1: Manitoba Centre for Health Policy's Manitoba Health Budget, April 1, 2011 – March 31, 2012

Manitoba Centre for Health Policy

Yearly Budget—April 1, 2011 to March 31, 2012	
Salaries	
Staff	\$1,532,169.20
Staff Benefits	273,013.57
Payroll Levy	36,739.07
External Contracts	51,137.78
Salaries Subtotal	2,022,706.28
Other Expenditures	
General Office Expenses	\$104,613.55
Equipment	
Purchases	32,256.94
Maintenance	41,328.23
Travel	24,555.29
Other Expenditures Subtotal	\$302,293.72
TOTAL EXPENDITURES	\$2,324,999.18

Figure 2: Additional operating funds available in 2011/2012



***Endowments/Gifts:**

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

Figure 3: MCHP Administered Funding

