

MANITOBA CENTRE FOR HEALTH POLICY

Annual Report 2001/2002

July 2002

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

Prepared by
Shannon Lussier and Janine Harasymchuk

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MISSION STATEMENT

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

DIRECTOR'S LETTER



The year 2001-2002 was a year of celebration with four major events to be proud of. First, we celebrated our tenth birthday. Second, we moved into our new state-of-the-art data laboratory on October 1 and held a Grand Opening on November 2.

Third, in conjunction with the move, we introduced our name change — Manitoba Centre for Health Policy! Last, but absolutely not least, MCHP was awarded the 2001 Health Services Research Advancement Award, by the Canadian Health Services Research Foundation — recognizing the outstanding contribution we've made in health services and policy research in Canada.

Our happy news was mixed with sad: we are sorry about the departure of Charlyn Black, who accepted the position of Director, Centre for Health Services and Policy Research at the University of British Columbia. We wish her great success and look forward to collaborative projects.

A five-year contract with Manitoba Health was renewed, effective April 1, 2002. This commitment from the Province will enable MCHP to continue our research on the health of Manitobans and the determinants of health, providing policy makers with evidence-based information to address some of today's difficult health care questions.

Our work continues to be enhanced by new research awards: The Canadian Population Health Initiative grant, "Inequalities in Child Health: Assessing the Roles of Family, Community, Education and Health Care" was awarded to Marni Brownell, Noralou Roos and Diane Watson; a Canadian Institutes for Health Research grant, "Origins of asthma in childhood:

The Role of Gene Environment Interactions" was awarded to Anita Kozyrskyj and Allan Becker.

We were pleased to host a visit from Iris Evans, Alberta's Minister of Children's Services who was accompanied by Sherry Thompson, Director of Intergovernment Initiatives, and Al Bell, Strategic Research Planning for the Alberta Science and Research Authority Board. They were interested in seeing first hand how research utilizing the Population Health Research Data Repository contributes to policy decisions, especially in relation to children's issues.

There are a number of people whom we wish to thank for their commitment and support. Among them are:

- Members of our Advisory Board, especially our Chair, Brian Postl;
- Minister David Chomiak and Deputy Minister Milton Sussman who maintain a strong interest in the policy implications of our work;
- Minister Tim Sale and Deputy Ministers Tannis Mindell, Ben Levin and Tom Carson who have encouraged our research interests in the broader determinants of health;
- Dean of Medicine Brian Hennen and our Department Heads Kue Young and John O'Neil who have supported new initiatives undertaken by MCHP;
- Louis Barre, Chief Information Officer, Manitoba Health, our very able liaison with Manitoba Health
- Numerous individuals who have provided input and feedback for our deliverables, especially those who have served on one of our Working Groups, and
- All the MCHP staff whose hard work and conscientious commitment is critical to the success of MCHP's activities.

Noralou P Roos, PhD
Director and Professor

DELIVERABLES

Deliverables Completed

A Look at Home Care in Manitoba (Noralou Roos, Leonie Stranc, Sandra Peterson, Lori Mitchell, Bogdan Bogdanovic, Evelyn Shapiro)

The purpose of this project was to develop information capabilities in the area of home care to add to our Population Health Information System (POPULIS). The reliability and validity of existing data sources on home care were assessed. Patterns of home care use and characteristics of home care recipients were described, as well as use during several key periods: before and after hospitalization, prior to nursing home admission, and prior to death.

Perspectives on Home Care Data Requirements (Noralou Roos, Lori Mitchell, Sandra Peterson, Evelyn Shapiro)

In Manitoba, insight into the use of public home care services is provided by home care payroll data from the Manitoba Support Systems Payroll (MSSP). Currently, there is consideration of moving away from the MSSP system as the payroll system for the Home Care Program's direct service workers. In light of such a consideration, this project reviewed the Manitoba Support Systems Payroll (MSSP) data, and identified what data should be routinely reported to Manitoba Health to permit a system-wide perspective on program planning, delivery, evaluation and research.

A Comparison of Preliminary and Adjusted Cost per Weighted Case Determinations for Manitoba Hospitals: Impact for Evaluation and Report Cards (Greg Finlayson, Philip Jacobs, Diane Watson, Bogdan Bogdanovic)

Previous MCHP research using Management Information System cost data involved consultation with hospitals and numerous adjustments to the data to improve accuracy. These adjustments are time- and labour-intensive and are therefore difficult to replicate on an ongoing basis. This project looked at how much of a difference the detailed adjustments made. For most hospitals, the adjustments made only minor differences, but for a sizeable minority, the changes were substantial. A brief checklist was developed to improve uniformity in hospital financial reporting.

The Health and Health Care Use of Registered First Nations People Living in Manitoba: A Population-Based Study (Patricia Martens, Ruth Bond, Laurel Jebamani, Charles Burchill, Noralou Roos, Shelley Derksen, Marcella Beaulieu, Doreen Sanderson and the Health Information and Research Committee of the Assembly of Manitoba Chiefs, Marilyn Tanner-Spence, Audrey Leader, Brenda Elias, John O'Neil, Carmen Steinbach, Leonard MacWilliam, Randy Walld, Natalia Dik)

This project studied the health of Manitoba Registered First Nations people, and identified factors that contribute to differences in health. The study focused on the First Nations population as a group, as well as by Tribal Council, and by the on-reserve versus off-reserve populations. Comparisons were made to the Manitoba population across various health-related dimensions. The objective of the analyses was to provide data to assist both Tribal Councils and RHAs in the planning and delivery of health care services. This was a collaborative project between the Assembly of Manitoba Chiefs' Health Information and Research Committee and two units in the Department of Community Health Sciences: MCHP and the Centre for Aboriginal Health Research.

Projecting Hospital Bed Needs for 2020 (David Stewart and Robert Tate (co-principal authors), Greg Finlayson, Leonard MacWilliam, Noralou Roos)

This study develops two models of hospital use and combines them with population projections from the Manitoba Bureau of Statistics to predict hospital bed days to the year 2020. One projection model assumed that the use in the most recent year would continue at the same level, which resulted in a prediction for increased hospital bed days. The other model assumed that the downward trend seen in hospital use over the past ten years would continue; this predicted a decrease in hospital bed days in 2020. The report also advised that planners should consider other factors, including current occupancy, out-of-region hospitalizations and the degree to which non-acute care might be shifted to more appropriate alternatives.

Profile of Medical Patients Who Were Assessed as Requiring Observation-Level Services at Winnipeg Acute Care Hospitals in 1998/99 (Sharon Bruce, Charlyn Black, Charles Burchill, Suzanne De Haney)

In 2001, MCHP released a report on the acuity of medical patients in Winnipeg acute care hospitals. It found that one in five medical patients required observation on the day of admission. This project explored that group of patients further. It described characteristics of patients who were identified by the InterQual assessment tool as requiring observation: their demographic profiles, their living arrangements, the illnesses for which they require observation, and the patterns of care that they currently receive in the Winnipeg acute care hospital system. The project also noted that differences in recording practices within hospitals may have in fact understated the magnitude of observation level care that is currently provided.

Deliverables in Progress

Issues in Developing a Planning Framework for Personal Care Home Beds

The need to develop a more considered approach to planning for long term care, especially as the population ages, has been identified by program and Capital Planning staff of Manitoba Health. Currently a simple ratio of beds to population over 75 years of age is used. This project is addressing the issue of whether there are more accurate and meaningful ways to project Manitoba's future need for PCH beds.

Changing Patterns of Urban Primary Care Over Time

This project is studying changing patterns of use of urban primary care physicians over time. It examines how primary care practices have changed over time by examining patient loads, physician supply and patient/physician contact patterns. It also examines how factors such as physician age and gender affect these patterns. Key outputs of this project would be the development of a framework, key measures, and potentially a baseline for evaluating primary care demonstration projects.

The Health of Manitoba's Seniors

What should the Manitoba health care system expect from the projected increase in numbers of seniors? The project reviewing trends in health and health care since 1985 resulted in several intriguing findings: while individuals are entering nursing home at a higher rate, they appear to be entering at an older age and remaining at home in the community longer. While the rate at which the elderly in Winnipeg are being hospitalized has increased, the number of days used has dropped sharply. While the proportion of elderly in contact with physicians every

year has increased, the numbers of visits per year made to physicians has dropped. In contrast to the headlines, are Manitoba elderly not just living longer, but aging more successfully? How does this vary across the province and across Winnipeg areas?

Pharmaceuticals: Focussing on Appropriate Utilization

Analyses of trends over time reveal that pharmaceutical costs are rising very rapidly. To provide perspective to this issue, and to provide insight about potential strategies for influencing pharmaceutical use patterns, this project is focusing on studying patterns of appropriate and inappropriate use of one group of pharmaceutical agents.

Discharge Outcomes For Long-Stay Patients in Winnipeg Acute Care Hospitals

Long stays in Winnipeg hospitals represent only 5% of the hospitalizations, but consume approximately 40% of hospital days. Surprisingly, only 13% of patients who have a long stay are ultimately discharged to a Personal Care Home. Fully 52% of patients who have a long stay in a Winnipeg hospital are eventually discharged home, and another 19% end up dying in hospital. This project is studying differences among these populations of patients to determine what factors are associated with these three outcomes.

Why is the Health of Some Manitobans NOT Improving?

Analyses of trends in health and health care over a fifteen-year period reveal that the health of most Manitobans is improving. However, for some residents, this is not the case. The health gap between residents of the North and other Manitobans is widening; the same widening health gap is developing between residents of low income and high income Winnipeg neighbourhoods. This project is studying trends over time in patterns of health among the regions with the healthiest, the intermediate, and the poorest health populations over time. It focuses on whether migration patterns are producing these changes, and whether these changes are occurring across all age groups and for both women and men.

Comparative Indicators of Health and Health Care Use for Manitoba's Regional Health Authorities: An Update

Our 1999 RHA health indicator report established a baseline; the current report will update those indicators and add several new ones, enabling RHA managers, planners and providers to track changes. Whereas the 1999 report showed health and health care use in RHA physician service areas, in this project, we will work with RHAs to provide data according to the planning districts they are currently using. This deliverable is the first of three committed by Manitoba Health in support of the project entitled, 'The Need to Know: Collaborative Research by MCHP, northern and rural Regional Health Authorities and Manitoba Health.'

Radiologic Services Data: Incorporating these Data into a Population-Based Information System

The purpose of this project is to develop information capabilities to understand how radiology services are being delivered across the province. We are focusing on assessing the validity of routinely collected data on radiologic services, particularly data on the use of ultrasound, bone densitometry, CT scan, and MRI. We are comparing how populations across the province use different types of radiologic tests, whether there are differences by age, gender and socioeconomic status, whether use has changed over time, and the impact of having clear protocols for use (e.g., bone densitometry).

Understanding the Potential of Alternative Approaches to Managing in the Pharmaceutical Sector

Prescription drugs have been the fastest growing component of Canadian health expenditures for many years. Increases in costs are due to changes in both the price and mix of drugs prescribed. Newer medicines are typically far more expensive than older, off-patent medicines. Frequently the newer medicines provide benefits, such as improved tolerability, to only a select number of patients, yet tend to be prescribed broadly. Lowest cost pricing is one method to control wide-spread prescribing practices; it restricts the prescribing of a particular product under the provincial drug plan to patients that have clinical reasons for using it. This project will compare the cost implications of adopting a price based approach versus aggressive drug use management techniques versus the status quo in managing one major class of drugs.

Patterns of Health Care Use at the End of Life

Concern about the 'high cost of dying' stems from the assumption that care to the terminally ill involves high technology and cure-oriented procedures in acute care settings. Several studies have investigated the patterns of health care use and costs before death, but their results are inconsistent. Many studies focus on one aspect of end-of-life care, for example hospital services, and miss other components, like home care. This project will explore further what services are used before death, how they have changed over time, how they vary by age or region of residence, and what the cost implications are. We will incorporate not only use of hospitals, nursing homes and physicians before death, but also home care, pharmaceuticals, and special medical technologies such as MRI.

RESEARCH

Personnel Awards

Charlyn Black: Medical Research Council of Canada, Scientist Award, 1998 - 2003, \$157,745

Marni Brownell: CIHR New Investigator Award and Research Allowance, 2001 - 2006, \$385,485.

Verena Menec: CIHR New Investigator Award, 2001-2005, \$318,588

Colleen Metge: Bristol-Myers Squibb Chair of the Evaluation of Drug Therapy Effectiveness, 1998 – 2003, \$250,000.

Sandra Peterson: CIHR, Doctoral Research Award, 2001 - 2004, \$58,590.

Noralou Roos: Canada Research Chair in Population Health, 2001 - 2007, \$1,225,000.

Ongoing MCHP Research

Canada Foundation for Innovation, \$2,700,000, 1999 – 2003. “A Data Infrastructure for Improving Health and Human Capital.” NP Roos, C Black

Canada Foundation for Innovation, \$250,000, 1/01 – 12/07. “Sustaining Canada’s Lead in Health Information Infrastructure: Enhancing the Population Health Research Data Repository.” NP Roos.

Canadian Health Services Research Foundation, \$796,500, 1998 – 2001. “Health Care Restructuring and Community-Based Care: A Longitudinal Study.” MJ Penning, NL Chappel, LL Roos, G Lin.

Canadian Population Health Initiative, \$675,200, 2/01 – 1/04, “Population and Communities: Understanding the Determinants of Health.” LL Roos, NP Roos, AL Kozyrskyj, PJ Martens.

Canadian Population Health Initiative, \$ 94,400, 07/01 – 12/02, “The Antibiotic Paradox: Identifying Communities at Risk.” AL Kozyrskyj, T Klassen, B Law, G Mazowita.

Community Alliances for Health Research, \$2,257,396, 1/01 – 3/06. “The Need to Know: Collaborative Research by the CAHR, MCHP, Rural and Northern Regional Health.” PJ Martens, C Black.

Manitoba Health, \$9,250,000, 4/98 – 3/03, Manitoba Centre for Health Policy Agreement. C Black, NP Roos.

Manitoba Health Research Council, \$46,900, 07/00 – 06/02, “Evaluating the Effectiveness of Breastfeeding Promotion Strategies in Rural Manitoba – A First Nations Community and a Rural Health Authority.” PJ Martens

Pharmacia Canada, \$368,825, 07/01 – 06/03, “Newly-Approved Provincial Formulary Drugs: A Model to Assess Their Utilization.” AL Kozyrskyj, D Collins, B Kvern.

Social Sciences and Humanities Research Council of Canada, \$357,000, 2000 – 2002, “Determinants of Persistent Good Health and Chronic Ill-Health Based on the Aging in Manitoba Study Cohort.” B Havens, C Black, V Menec, NP Roos, J Chipperfield.

South Eastman Regional Health Authority through Health Canada Rural and Remote Initiatives, \$9,000, 04/2001 – 04/2003, for an evaluation of the project “Evaluating the effectiveness of South Eastman’s Baby-Friendly Initiative process”. PJ Martens

Ongoing University Research which accesses the Population Health Research Data Repository

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

Assembly of Manitoba Chiefs, \$371, 309, 11/99 – 11/06, “Manitoba First Nations Longitudinal Health Survey – Data Linkage Study.” J O’Neil (NP Roos)

Canadian Diabetes Association and Manitoba Research Council, \$17,600, 07/2000 - 06/2001, “Risk factors of Type II Diabetes in Aboriginal children” T.K. Young (PJ Martens)

Medical Research Council of Canada, \$131,760, 1999 through 2002, “Manitoba First Nations Longitudinal Health Survey.” J O’Neil (NP Roos)

Canadian Institute for Health Research, \$211,732, 03/01 – 03/04, “Application of the Health Care System to First Nations vs Non-First Nations Patients with Chronic Hepatitis C Viral Infections and HCV Costing Study.” J Uhanova (LL Roos)

Canadian Institute for Health Research, \$273,509, 10/00 – 10/04, “Aging in Manitoba, Thirty Years Later: 2001.” B Havens (NP Roos)

Canadian Institute for Health Research, \$1,250,000, 03/02 – 03/07, “Origins of Asthma in Childhood: The Role of Gene: Environment Interaction.” A Becker (A Kozyrskyj)

Canadian Institute for Health Research and Canadian Health Services Research Foundation, \$30,000, 01/01 – 01/03, “A Multi-level Test of the Relative Income Hypothesis.” E Forget (LL Roos)

Creative Retirement Manitoba, \$54,000, 12/01 – 12/02, “Investigation of Diabetes Among Older Manitobans.” B Havens (NP Roos)

Manitoba Health, \$131,800, 10/00 – 10/04, “Aging in Manitoba, Thirty Years Later.” B Havens (NP Roos)

Manitoba Health Research Council, \$88,000, 06/00 – 06/03, “Evaluating Drug Therapy Effectiveness in the Population of Manitoba.” C Metge

Merck Frosst Canada, \$350,000, 10/00 – 10/03, “The Manitoba Appropriate Anti-Inflammatory Utilization Project.” M Doupe (C Metge)

Merck Frosst Canada, \$1,000,000, 11/00 – 11/04, “Maximizing Osteoporosis Management in Manitoba.” C Metge

National Institute of Health, \$88,428, 2001/2002, “Impact of Sleep Disorders on Health”. M Kryger (LL Roos)

EDUCATION

Courses Taught in the Department of Community Health Sciences

Number	Title	Instructor
93.713	Methods in Health Services Research and Evaluation	Charlyn Black
93.731	Epidemiology of Health Care	Leslie Roos
93.735	Research Methods in Health Care	Verena Menec
93.740	Reading Course: Health Program Evaluations	Patricia Martens
93.742	Pharmacoepidemiology	Colleen Metge
93.747	Biostatistics I	Patricia Martens, Thomas Hassard
93.748	Biostatistics II	Patricia Martens, Thomas Hassard
93.749	Empirical Perspectives on Social Organization and Health	Anita Kozyrskyj
93.757	Managing Health Systems	Anita Kozyrskyj

Courses Taught in Other Departments

Department	Course title	Instructor
Pharmacy	Principles of Professional Practice	Anita Kozyrskyj
Political Studies	Introduction to Politics and Government	David Stewart

Other Teaching Activities

Activity	Instructors	Contact hours
Lectures	Charlyn Black, Patricia Martens, Anita Kozyrskyj, Verena Menec, Colleen Metge, Leslie Roos	38
Tutorials	Charlyn Black, Carolyn DeCoster, Anita Kozyrskyj, Patricia Martens, Verena Menec	51
Supervision	Charlyn Black, Leslie Roos, Noralou Roos	80
Exam set-up and marking	Charlyn Black, Anita Kozyrskyj, Patricia Martens	50
Colloquium Coordination	Patricia Martens	114
CHSRF Career Renewal Award Mentorship	Leslie Roos	50
Post-doctoral Supervision	Leslie Roos	100

Graduate Student Supervision

Student Name	Degree Sought	Advisor	Committee Member	Faculty Name
Cleary, Eilish	MSc	Yes		Patricia Martens
Daley, Pat	PhD	Yes		David Stewart
DeCoster, Carolyn	PhD		Yes	Noralou Roos Norm Frohlich
Dow, Gordon	MSc	Yes		Charlyn Black
Franklin, Jonathon	PhD			Anita Kozyrskyj
Fransoo, Randy	PhD	Yes		Noralou Roos
Hiebert, Shirley	PhD		Yes	Patricia Martens
Johnson, Charlotte	MSc	Yes		Charlyn Black
Kelly, Karen	PhD	Yes		Leslie Roos
Kleysen, Rob	PhD		Yes	Norm Frohlich
Koene, Miriam	PhD	Yes		David Stewart
Lee, Sandra	MSc	Yes		Charlyn Black
McDonald, Kara	MSc	Yes		Patricia Martens
McMaster, Romy	MSc			Anita Kozyrskyj
Mitchell, Lori	PhD	Yes		Charlyn Black
Muu, Frances	MSc		Yes	Patricia Martens
Neufeld, Hannah	MSc		Yes	Patricia Martens
Peterson, Sandra	PhD	Yes		Charlyn Black
Pidlubny, Shannon	MSc			Anita Kozyrskyj
Robinson, J. Renee	PhD	Yes		Leslie Roos
Ross, Susan	MA		Yes	Evelyn Shapiro
Schultz, Linda	MSc	Yes		Charlyn Black
Siemens, Barbara	MSc	Yes		Anita Kozyrskyj
Turner, Nancy	MSc (U of Regina)		Yes	Lisa Lix
Uhanova, Julia	MSc	Yes		Leslie Roos
Weiss, Elise	MSc		Yes	Patricia Martens

MCHP Colloquiums in the Department of Community Health Sciences

Can Administrative Data be Used to Estimate Waiting Times for Cataract Surgery? by Carolyn DeCoster, Senior Researcher, MCHP, March 15, 2002

Monitoring the Impact of Family Health Benefits for Low Income Families in Saskatchewan, by Lisa Lix, Researcher, MCHP, February 1, 2002

The Impact of Influenza-Associated Illnesses on the Winnipeg Health Care System, by Verena Menec, Researcher, MCHP, January 25, 2002

An Introduction to Hierarchical Linear Modelling, by Dan Chateau (MCHP), Mary Cheang, (CHS) Brenda Elias (AHRU), Randy Fransoo (MCHP), Sandra Petersen (MCHP) and Bob Tate (CHS), January 18, 2002

Do Medical Patients on Acute Care Medical Wards Require an Acute Care Setting? by Sharon Bruce, Researcher, MCHP, November 16, 2001

Graphing Data: The Good, The Bad and the Ugly, by Randy Fransoo, MSc, Research Associate, MCHP, September 28, 2001

How Well Does Use of Health Care Services in Winnipeg Match Need? Recent Data on Utilization in the Winnipeg Regional Health Authority, by Norman Frohlich, PhD, Professor, I.H. Asper School of Business, Senior Researcher, Manitoba Centre for Health Policy and Evaluation, May 11, 2001

To accountability and beyond! What can a generic measure tell us about the health effects of Human Immunodeficiency Virus (HIV) illness? by Ron Wall, PhD, Policy Analyst/Economist, Applied Research and Analysis Directorate of Health Canada, Associate, Centre for Addiction and Mental Health, April 12, 2001

How do neighbourhoods affect health? by Katherine Frohlich, PhD, Postdoctoral Fellow, Canadian Institute for Health Research, University of California at Berkeley, April 6, 2001

ADVISORY BOARD MEMBERS

The role of the Advisory Board is to develop a broad perspective on problems confronting our health system and potential solutions, advise and assist MCHP to determine an appropriate set of activities to meet its goals and objectives, and to assure the long-term viability of MCHP. The Board meets twice a year. The following people served as members of MCHP's Advisory Board for all or part of the fiscal year ending March 31, 2002.

CHAIR: Brian Postl, MD, Chief Executive Officer, Winnipeg Regional Hospital Authority

- Charlyn Black, Co-Director, Manitoba Centre for Health Policy; Associate Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba
- Ken Brown, Registrar, College of Physicians and Surgeons, Manitoba chapter (retired)
- Tom Carson, Deputy Minister of Culture, Heritage and Tourism, Province of Manitoba
- Rick Dedi, Assistant Deputy Minister, Insured Benefits, Pharmacare and Labour Market Services, Manitoba Health, Province of Manitoba
- Daniel J Friedman, Assistant Commissioner, Bureau of Health Statistics, Research and Evaluation, Massachusetts Department of Public Health
- Brian Hennen, Dean, Faculty of Medicine, University of Manitoba
- Alan Katz, Assistant Professor, Family Medicine, University of Manitoba
- Ben Levin, Deputy Minister of Education, Manitoba Education and Training, Province of Manitoba
- Arthur V. Mauro, Chairman of the Board, Investors Group Inc.; Chancellor, University of Manitoba
- John S Millar, Vice-President, Canadian Institute for Health Information
- Tannis Mindell, Deputy Minister, Family Services and Housing, Province of Manitoba
- J. Fraser Mustard, Founding President, Canadian Institute for Advanced Research
- Don Potter, Deputy Minister, Government Services, Province of Manitoba
- Leslie L. Roos, Director, Population Health Research Data Repository, Manitoba Centre for Health Policy; Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba
- Noralou P. Roos, Co-Director, Manitoba Centre for Health Policy; Professor, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba
- Penny Sorenson, CEO, South Westman Regional Health Authority

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- Milton Sussman, Deputy Minister of Health, Province of Manitoba
 - Mark Taylor, Deputy Head, Surgery, St Boniface General Hospital; Assistant Professor, Surgery, University of Manitoba
 - Kue Young, *FRCPC, DPhil*, Professor and Head, Department of Community Health Sciences, University of Manitoba

FACULTY AND STAFF

Directors

Charlyn Black, Co-Director and Senior Researcher
Leslie Roos, Senior Researcher and Director of the Population Health Research Data Repository
Noralou Roos, Co-Director and Senior Researcher

Research

Ruth Bond, Research Coordinator
Marni Brownell, Researcher
Dan Chateau, Post-Doctoral
Carolyn DeCoster, Senior Researcher and Communications Coordinator
Greg Finlayson, Researcher
Shirley Forsyth, Research Coordinator
Randy Fransoo, Research Coordinator
Norm Frohlich, Senior Researcher
Anita Kozyrskyj, Researcher
Lisa Lix, Researcher
Patricia Martens, Researcher
Verena Menec, Researcher
Colleen Metge, Researcher
Lori Mitchell, Research Coordinator
Christine Newburn-Cook, Post-Doctoral
Evelyn Shapiro, Senior Researcher
David Stewart, Researcher
Diane Watson, Executive Manager and Researcher

Systems Development, Programming, Security and Technical Support

Bogdan Bogdanovic, Systems Analyst
Charles Burchill, Senior Systems Analyst and Security Coordinator
Matthew Dahl, Senior Programmer
Suzanne De Haney, Programmer
Shelley Derksen, Systems Analyst
Natalia Dik, Programmer Analyst
Oke Ekuma, Programmer Analyst
Leonard MacWilliam, Systems Analyst
Rod McRae, Senior Systems Analyst
J Patrick Nicol, Systems Consultant
John Penny, Programmer Analyst
Sandra Peterson, Programmer Analyst
Monica Sirski, Programmer Analyst
Carmen Steinbach, Programmer Analyst
Ken Turner, Senior Programmer
Randy Walld, Systems Analyst
Marina Yogendran, Systems Analyst

Administration

Paulette Collins, Senior Administrator
Debbie Molina, Financial Officer
Carole Ouelette, Executive Assistant

Finance and Research Support

Jo-Anne Baribeau, Research Support
Louise Ferris, Research Support
Janine Harasymchuk, Research Support
Linda Henderson, Finance Support
Phyllis Jivan, Research Support
Linda Kostiuk, Finance & Research Support
Carola Lange, Finance Support
Kerry LeMadec, Finance Support
Shannon Lussier, Research Support
Eileen Pyke, Research Support and Education Coordinator
Lorraine Sarcida, Research Support

Student Research Assistants***Continuing***

Jennifer Bodnarchuk, Elaine Burland, Patricia Caetano, Laurel Jebamani, Jennifer Kozyniak,
Ruth-Ann Soodeen, Paul Willetts

Summer

Anita Carrie, Christine Dueck, Stephen Dueck, Sumit Gupta, Jennifer O'Kell

ASSOCIATES

The designation of Associate of the Manitoba Centre for Health Policy was created to recognize the valuable contribution made to its research by external participants. Associates are involved in collaborative research with an MCHP Researcher, have an ongoing commitment to health services research, have previous research involvement with scholarly publications, and/or have clinical/policy expertise that is of assistance to MCHP Researchers in framing research questions, interpreting results of particular analyses and advising on the policy implications of the findings. The following were Associates for all or part of the fiscal year ending March 31, 2002.

- Nick Anthonisen, Professor, Department of Internal Medicine, University of Manitoba
- Fred Aoki, Professor, Departments of Internal Medicine and Pharmacology, University of Manitoba
- Keumhee Chough Carrière, Professor, Department of Mathematical Sciences, University of Alberta
- David Fedson, Director, Medical Affairs, Pasteur Merieux MSD, Lyon, France
- Betty Havens, Professor, Department of Community Health Sciences, University of Manitoba; Research Fellow, Statistics Canada
- Philip Jacobs, Professor, Public Health Sciences, Faculty of Medicine, University of Alberta
- Meir Kryger, Professor and Director, Sleep Disorders Centre, Faculty of Medicine, University of Manitoba; Division Head, Education, World Health Organizations World-Wide Project on Sleep Disorders
- Barbara Law, Associate Professor, Department of Pediatrics and Child Health, and Department of Medical Microbiology, University of Manitoba; Section Head, Pediatric Infectious Diseases, Children's Hospital, Health Sciences Centre
- Jure Manfreda, Associate Professor, Departments of Community Health Sciences and Internal Medicine, University of Manitoba
- Blake McClarty, Associate Professor, Department of Radiology, University of Manitoba; Clinical and Research Director, Magnetic Resonance Imaging Unit, St. Boniface General Hospital
- Nazeem Muhajarine, Assistant Professor, Department of Community Health and Epidemiology, University of Saskatchewan
- Robert P Murray, Associate Professor and Director, Alcohol and Tobacco Research Unit, Department of Community Health Sciences, University of Manitoba

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- Cam Mustard, Associate Professor, Department of Public Health Sciences, University of Toronto; Scientific Director, Institute for Work and Health, Toronto
 - John O'Neil, Professor and Director, Northern Health Research Unit, Acting Head, Department of Community Health Sciences, University of Manitoba
 - Robert Reid, Research Associate, Centre for Health Services and Policy Research, Associate Member, Department of Health Care and Epidemiology and Department of Family Practice, University of British Columbia
 - Jan Roberts, Medical Officer of Health, South Eastman Region, Manitoba; Assistant Professor, Department of Community Health Sciences, University of Manitoba
 - Patrick Romano, Associate Professor of Pediatrics in Residence; Associate Professor of Medicine in Residence, University of California Davis School of Medicine
 - Phil St. John, Assistant Professor, Department of Internal Medicine, University of Manitoba
 - Estelle Simons, Bruce Chown Professor and Head, Section of Allergy and Clinical Immunology, Department of Pediatrics and Child Health, University of Manitoba
 - John Wade, Professor, Departments of Anaesthesia and Community Health Sciences, University of Manitoba
 - Kue Young, Professor and Head, Department of Community Health Sciences, University of Manitoba

KNOWLEDGE TRANSFER

Briefings

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

Additional briefings on the 2001/02 reports were provided to the WRHA, including specialty groups within the WRHA such as Senior Management, Program Team Managers, Family Medicine, Internal Medicine, Medical Nursing Team, Allied Health, and Emergency Medicine Team. Briefings to other groups include: Health Canada, Indian and Northern Affairs, Statistics Canada, Assembly of Manitoba Chiefs Health Committee, Assembly of Manitoba Chiefs Health Information and Research Committee, First Nation Groups in surrounding areas of The Pas and Thompson, Norman and Central RHA Board of Directors, and First Nation and Inuit Health Branch.

Presentations were also made by Noralou Roos to Michael Kirby, Senate Social Affairs Committee, October 15, 2001 and to the Romanow Commission, February 14, 2001.

Communications

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

Media Interviews – 2001 and 2002

Roos NP. Interview with the CBC Country Canada program on Private funding in the health care system - pros and cons, January 24, 2002

Roos NP. Interview with Winnipeg Sun on Private funding in the health care system - pros and cons. March 6, 2002

Carolyn DeCoster. Interview with Catherine Mitchell, editorial writer, Winnipeg Free Press on pros and cons of a parallel private health care sector. June 2001

Brownell M. Interview with Virginia Smart on Marketplace CBC Attention deficit hyperactivity disorder and use of Ritalin in kids, August 23, 2001 and September 2, 2001

Media Releases – 2001 and 2002

“Home Care Accessible and Needs-Driven, Report Finds” October 24, 2001

“East St. Paul Cancer Rates Not Higher Than Rest of Winnipeg” July 18, 2001

“Acute Care Beds in Winnipeg Hospitals Used Long After They're Needed” June 20, 2001

“Study Finds Manitobans are Actually Getting Healthier” May 24, 2001

“Dramatic Differences in Health Found Between Winnipeg Communities: Study” May 4, 2001

“Ounce of Prevention for Hospitals: A Possible Warning System for the Flu?” March 28, 2001

MCHP Centre Piece Newsletter

Our newsletter, CentrePiece was published once in the year 2001/2002.

Rural Days

MCHP hosts an annual Rural and Northern Health Care Day, designed specifically to highlight MCHP research of relevance to the rural and northern Regional Health Authorities of Manitoba. The 8th Annual Rural and Northern Health Care Day was held on September 17, 2001, with a focus on child health. We highlighted the MCHP report, “Assessing the Health of Children in Manitoba: A Population-based Study” as well as Manitoba Health’s Perinatal Surveillance Report. The program includes an overview of a chosen topic, followed by round-table discussions for each RHA focussing on their regional data which are facilitated by MCHP researchers. MCHP encourages RHAs to send an eclectic mix of people, including CEOs, VPs of planning and programs, Medical Officers of Health, Board members, health care providers, and district advisory council members. This enables a unique discussion of health-related topics for the region. The afternoon consists of short overviews of other MCHP reports specific to rural and northern RHA information, as well as computer workshops on accessing and using MCHP resources.

The “Need to Know” Project Events

The Need to Know project is collaborative research by MCHP, eleven Manitoba rural and northern regional health authorities and Manitoba Health. This is funded through the Canadian Institutes of Health Research – Community Alliances for Health Research Program (2001-2006). There are three major goals, specifically:

1. to create new knowledge directly relevant to rural and northern regional health authorities, both in Manitoba and as a model for the wider community;
2. to develop useful models for health information infrastructure, as well as for training and interaction, that will increase and improve capacity for collaborative research interaction; and
3. to disseminate and apply health-related research so as to increase the effectiveness of health services, and ultimately the health of RHA populations.

Three meetings a year take place with MCHP researchers, eleven high-level planners and decision-makers from each of the eleven non-Winnipeg RHAs, and three Manitoba Health delegates. Each two-day meeting is designed to respond to the goals, and includes such activities as follows: collaborative work on research projects designed to meet the planning needs of rural and northern RHAs, capacity building activities both for the RHA people and for teaching

researchers to do community-relevant research; discussions on using and disseminating research findings to policy-makers; and information sharing among partners. The first research project involves an RHA indicators report, using sub-regional districts defined by the Need To Know Team and showing results over two time periods (1991-1995, 1996-2000).

Training

SAS Tutorial Feb 2002

The SAS Tutorial ranged from a beginning to an intermediate level and consisted of five half-day sessions. Approximately 5-7 students attended; all were graduate students from the Department of Community Health Sciences and Faculty of Pharmacy. This tutorial was taught by Shelley Derksen and Charles Burchill.

Visitors

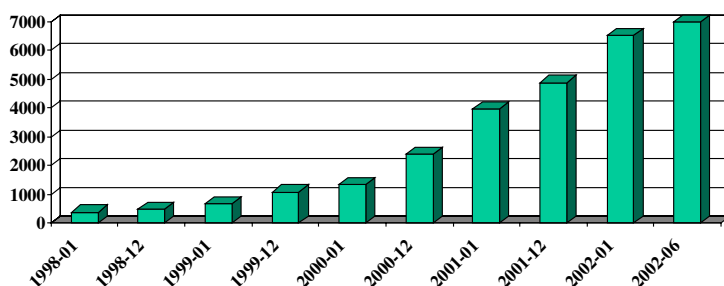
MCHP had a visit in November 2001 from the Honourable Iris Evans, Minister, Children's Services, Alberta who was accompanied by Mr. Al Bell, Strategic Research Planning for the Alberta Science and Research Authority Board, Sherry Thompson, Director of Intergovernmental Initiatives and Policy Research for Alberta Children's Services and Jennifer Dunford, Executive Secretary, Office of the Minister, Children's Services. They were interested in the MCHP Population Health Research Data Repository and the types of projects and policy advice provided by MCHP as they were considering setting up a similar type of research centre.

We also received a visit from the Alberta Health Services Utilization Outcomes Commission in January.

MCHP Web site

MCHP's Web site is simple and uncluttered in design, and easy to use. The site has become a mainstay of information transfer. The number of browsers to visit the Web site increased by 89% in 2001/02 to 68,960 from 36,463 in 2000/01. All deliverable reports are available, including summaries and full reports (in pdf). About 1500 people are notified via email when a

Number of Browsers Accessing
MCHP Web Site Pages by Month



report is released; they can view or download the material instantly, rather than waiting for the printed version. The Web pages contain general information about MCHP, our annual report, a description of ongoing projects (both deliverables and major grant-funded projects), and the names of our staff, advisory board and associates. All publications are listed, going back to 1977, with

links to the paper's abstract when available. There is also a wealth of information in downloadable Excel tables, on health indicators for the Regional Health Authorities and for

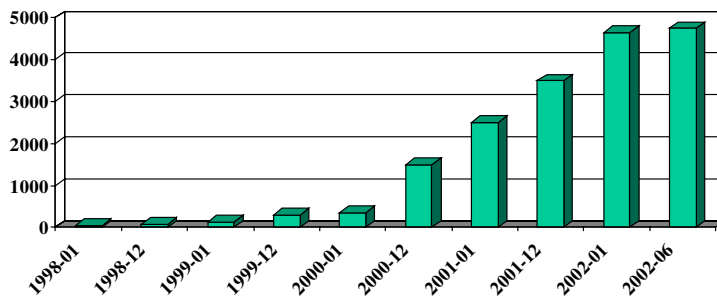
First Nations communities. The home page contains icons that take the user to our Research Index, Educational Resources, and Links to other health and health research Web sites. MCHP's URL is <http://www.umanitoba.ca/centres/mchp>

Concept Dictionary

The Concept Dictionary was developed as a centralized knowledge repository to provide ongoing operational support to researchers and programmers. Concepts (138 as of this writing) are documented, with links to related terms. Alternate formulations and associated problems are discussed; local expertise and references are noted. When appropriate, SAS programs containing the code to implement the concept are included.

The Concept Dictionary makes as much information publicly available as possible <http://www.umanitoba.ca/centres/mchp/concept/> A Meta-Index organizes concepts according to the Medical Sub-Heading (MeSH) system of the National Library of Medicine. A

Number of Browsers Accessing
MCHP Research Index Pages by Month



glossary briefly describes important terms (keyed to specific reports) and supplements the Dictionary; 961 glossary terms and abbreviations were recently noted. The Dictionary and glossary enhance research production in that previously developed concepts can be readily applied to new projects. The modular design has proven efficient in relaying

information to students and analysts; concepts can be used as hyperlinks in other research aids (such as protocols) and in teaching materials (both site-specific courses and the Epidemiology Supercourse). Standardizing various concepts enhances collaboration among researchers within a single group and across centres that use similar or identical technology. With information provided on an external web site, documentation and dissemination overlap to keep marginal costs low. Usage of the Web site and Concept Dictionary continues to grow.

PUBLICATIONS

2002

Black C, Roos L: Linking, combining, and disseminating data for understanding population health. Hunter E, Gibson R, Friedman D (eds): *Health Statistics in the 21st Century: Implications for Health Policy and Practice*. Oxford, UK: Oxford University Press; In press

Black CD, Roos NP, Roos LL From health statistics to health information systems: A new path for the 21st century. Hunter E, Gibson R, Friedman D (eds): *Health Statistics in the 21st Century: Implications for Health Policy and Practice*. Oxford, UK: Oxford University Press; In press

Curtis LJ, Kozyrskyj AL. From research to policy (or not): The case of “child policy” in Canada, the US and Norway. In: Evans, RG, Hertzman C, Barer ML, Baird P, editors. Canadian Institute for Advanced Research; In press

DeCoster C. Measuring and managing waiting times: What’s to be done? *Healthcare Manage Forum* 2002;15(2):6-10. French translation: Mesurer et gérer les délais d’attente: que peut-on faire? p.46-50

Einarson T, Metge C, Iskedjian M, Mukherjee J: Impact of CYP-450 drug interactions on healthcare utilization with HMG-CoA reductase inhibitors: A Canadian population-based study. *Clin Pharm Ther*; In press

Forget EL, Deber R, Roos LL. Medical Savings Accounts: Will they reduce costs? *CMAJ*; 167:143-147.

Frohlich N, Oppenheimer J: Choosing from a moral point of view. *J Int Econ*; In press

Frohlich N, Oppenheimer J, Moore B: On measuring self-interest using dictator experiments: Some more doubts. *J Econ Behav Organ*; In press

Gupta S, Roos LL, Walld R, Traverse D, Dahl M: Delivering equitable care: Comparing preventive services in Manitoba, Canada. *Am J Public Health*; In press

Jacobs P, Finlayson G, Faienza B, Brown M, Newson B, MacLean N. The development of a tool to assess the quality of cost estimates. *Dis Manage Health Outcomes*. 2002;10(2)127-132

Keselman HJ, Wilcox RR, Lix LM. A generally robust approach to hypothesis testing in independent and correlated groups designs. *Psychophysiology*; In press

Kaul P, Saunders L, Roos L, Kephart G, Ghali W, Walld R Warren J: Trends in utilization of CABG and associated outcomes: Alberta, Manitoba and Nova Scotia. *Am J Med Qual*; 2002;17(3):103-112

Kozyrskyj A, Mustard C, Simons F: Development of a drug treatment-based severity measure in childhood asthma. *J Asthma*; 2002;5:421-428

Martens PJ. Increasing breastfeeding initiation and duration at a community level: An evaluation of Sagkeeng First Nation's community health nurse and peer counsellor programs. *J Hum Lact*; In press

Martens PJ. First, do no harm: Evaluating research for clinical practice. *Curr Iss Clin Lact* 2002; 37-47

Martens PJ, Romphf L. Sagkeeng First Nation's Breastfeeding Promotion Initiatives: A follow-up study. Winnipeg, Department of Community Health Sciences, March

Menec V, Weiner B: Reactions to genetic testing: The role of hindsight bias and judgments of responsibility. *J Appl Soc Psychol*; In press

Menec V: Hospitalization and deaths due to respiratory illness during influenza seasons: A comparison of community residents, senior housing residents, and nursing home residents. *J Gerontol A Biol Sci Med SCI*; In Press

Murray RP, Connett JE, Tyas SL, Bond R, Ekuma O, Silversides CK, Barnes GE. Alcohol volume, drinking pattern and cardiovascular morbidity and mortality: Is there a U-shaped function? *Am J Epidemiol* 2002;155(3):242-248

Otake K, Delaive K, Walld R, Manfreda J, Kryger M: Cardiovascular medication use in undiagnosed obstructive sleep apnea patients. *Thorax*; 2002;57(5):417-422

Reid R, Roos N, MacWilliam L, Frohlich N, Black C: Assessing population need using a claims-based ACG morbidity measure: A validation analysis in the province of Manitoba. *Health Serv Res*; In press

Roberts J, Fransoo R, Black C, Roos L, Martens PJ: Research meets reality: Administrative data to guide planning for Canadian Regional Health Authorities. *Healthcare Manage Forum* ; In press

Roos L, Walld R, Soodeen R, Roos N: Health reform and technological change in Manitoba: Treatment of acute myocardial infarction. McClellan M, Kessler D (eds): *A Global Analysis of Technological Change in Health Care: Heart Attacks*. Ann Arbor, MI: University of Michigan Press; In press

Roos NP, Brownell M, Menec V. Universal Medical Care and Inequalities in Health: Right Objectives, Wrong Tools. In: Evans RG, Hertzman C, Barer ML, Baird P, editors. *Canadian Institute for Advanced Research*; In Press

Smith R, Ronald J, Delaive K, Walld R, Manfreda J, Kryger MH. What are obstructive sleep apnea patients being treated for prior to this diagnosis? *Chest* 2002;121(1):164-172

Young TK, Martens PJ, Taback SP, Sellers EA, Dean HJ, Cheang M, Flett B. Type-2 Diabetes in Canadian Aboriginal Children: prenatal and early infancy risk factors. *Arch Pediatr Adolesc Med.*, In press

2001

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- Bernstein CN, Kraut A, Blanchard JF, Rawsthorne P, Yu N, Walld R. The relationship between inflammatory bowel disease and socioeconomic variables. *Am J Gastroenterol* 2001;96(7):2117-2125
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- Brownell MD, Roos NP, Roos LL. Monitoring health reform: A report card approach. *Soc Sci Med* 2001; 52(5):657-670
- Brownell MD, Yogendran M. Attention-deficit hyperactivity disorder in Manitoba children: Medical diagnosis and psychostimulant treatment rates. *Can J Psychiatry* 2001;46(3):264-272
- Cree M, Roos NP, Yang Q, Carriere KC. Hypertensive patients and their general practitioners. *Healthcare Manage Forum* 2001;14(2):33-40
- Frohlich N, Carriere KC, Potvin L, Black CD. Assessing socioeconomic effects on different sized populations: To weight or not to weight? *J Epidemiol Community Health* 2001;55(12):913-920
- Frohlich N, Oppenheimer J, Moore J. Some doubts about measuring self-interest using dictator experiments: The costs of anonymity. *J Econ Behav Organ* 2001;46(3):271-290
- Grymonpre R, Charles J, Metge C, Vercaigne L. The development of a remuneration scheme for community-based geriatric pharmaceutical care. *J Res Pharm Econ* 2001;11(1):51-61
- Kozyrskyj A, Mustard CA, Cheang MS, Simons FER. Income-based drug benefit policy: Impact on receipt of inhaled corticosteroid drugs by Manitoba children with asthma. *CMAJ* 2001;165(7):1-7
- Kozyrskyj A, Mustard CA, Simons FER. Socioeconomic status, drug insurance benefits and new prescriptions for inhaled corticosteroids in schoolchildren with asthma. *Arch Ped Adolesc Med* 2001;155(11):1219-1224
- Kraut A, Walld R, Tate RB, Mustard CA. Impact of diabetes on employment and income in Manitoba, Canada. *Diabetes Care* 2001;24(1):64-68
- Menec V, Black CD, Roos NP, Bogdanovic B. What is the potential for formal patient registration in Canadian primary care? The scale of 'informal registration' in Manitoba. *J Health Serv Res Pol* 2001;6(4):202-206.

Menec V, Chipperfield J. A prospective analysis of the relation between self-rated health and health care utilization among elderly Canadians. *Can J Aging* 2001;20(3):293-306

Menec V, Roos NP, Black CD, Bogdanovic B. Characteristics of patients with a regular source of care. *Can J Public Health* 2001;92(4):299-303

Metge CJ, Blanchard JF, Peterson S, Bernstein CN. Use of pharmaceuticals by inflammatory bowel disease patients: A population-based study. *Am J Gastroenterol* 2001;96(12):3348-3355

Reid RJ, MacWilliam L, Verhulst L, Roos NP, Atkinson M. Performance of the ACG Case-mix System in two Canadian provinces. *Med Care* 2001;39(1):86-99

Roos L, Roos N: Of space and time, of health care and health. *J Health Serv Res Pol* 2001;6(2):119-122

Roos NP, Fransoo R. How many surgeons does a province need and how do we determine appropriate numbers? *Healthcare Manage Forum* 2001;14(1):11-21

Simons FER, Peterson S, Black CD. Epinephrine dispensing for the out-of-hospital treatment of anaphylaxis in infants and children: A population-based study. *Ann Allergy Asthma Immunol* 2001;86(6):622-626

Tu JV, Austin PC, Walld R, Roos LL, Agras J, McDonald KM. Development and validation of the Ontario acute myocardial infarction mortality prediction rules. *J Am Coll Cardiol* 2001;37(4):992-997

PRESENTATIONS

2002

Black C. Administrative data for information systems to support policy and planning. Health Data, Evidence and Policy: Working Toward a More Informed System. Institute of Clinical and Evaluative Sciences Conference, Toronto ON, January

Black C, Fransoo R, Martens PJ. Oh where, oh where do the data come from? The Need to Know: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health workshop, Winnipeg MB, January

Bowen S. Where do we go from here? Feedback and clarification of the evaluation report. The Need to Know: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health workshop, Winnipeg MB, January

Burchill C. Privacy and confidentiality. To the Alberta Health Services Utilization and Outcomes Commission, Manitoba Centre for Health Policy, Winnipeg MB, March

DeCoster C. Long term care beds. To the Alberta Health Services Utilization Outcomes Commission, Manitoba Centre for Health Policy, Winnipeg MB, March

Erickson T, Martens PJ. Dissemination strategies. The Need to Know: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health workshop, Winnipeg MB, January

Fransoo R, Burchill C, Martens PJ, Black C. The Regional Health Authority 2002 deliverable. The Need to Know: Collaborative Research by the Manitoba Centre for Health Policy, Rural and Northern Regional Health Authorities, and Manitoba Health workshop, Winnipeg MB, January

Frohlich N, Oppenheimer J. Three panels honoring the late Mancur Olson Jr. The Annual Meetings of the Public Choice Society, San Diego, March

Frohlich N, Oppenheimer J. Choosing from a Moral Point of View. The Annual Meetings of the Public Choice Society San Diego, March

Kozyrskyj AL, Becker AB. Rural-urban differences in asthma prevalence and lower respiratory tract infection in infants. Keystone Symposia: Rethinking the Pathogenesis of Asthma, Santa Fe, New Mexico, February

Lix L. Why is the health of some Manitobans not improving? To the Alberta Health Services Utilization and Outcomes Commission, Manitoba Centre for Health Policy, Winnipeg MB, March

Martens PJ. Do rural and northern Manitobans have different health needs than city-dwellers? Muriel Richardson Auditorium, Winnipeg Art Gallery, Winnipeg MB, January

Martens PJ. Research design, survey methodology and statistical analysis of doctorate projects. Providence Theological Seminary. Otterburne, MB, January

Martens PJ. Survey research...ask a silly question? Agriculture CapStone Course, U of M, February

Martens PJ. Critiquing the literature. LaLeche League Canada, Manitoba Chapter Meeting, February

Martens PJ. Need to know team state of the project: A brief overview of the First Nations report. Alberta representatives of the Health Services Utilization and Outcomes Commission, Manitoba Centre for Health Policy, Winnipeg MB, March

Martens PJ. Sagkeeng First Nation – a decade of evidence-based breastfeeding promotion. Faculty of Nursing, March

Martens PJ. Research design and statistics – back to the basics. Lactation Consultant Study Group. Winnipeg, April

Menec V. The health of the elderly. To the Alberta Health Services Utilization and Outcomes Commission, Manitoba Centre for Health Policy, Winnipeg MB, March

Roos LL. Record linkage: Data quality, tool development, and substantive research. The Symposium on Record Linkage at the Centre for Health Economics Research and Evaluation, University of Technology, Sydney Australia, March; and the Australian Institute of Health and Welfare Seminar, Canberra Australia, March

Roos LL. The Population Health Research Data Repository. To the Alberta Health Services Utilization and Outcomes Commission, Manitoba Centre for Health Policy, Winnipeg MB, March

Roos NP, Brownell M, Watson D. Inequalities in child health: Bringing together new data sources to assess the roles of family, community, education and health care. The Symposium on Record Linkage at the Centre for Health Economics Research and Evaluation, University of Technology, Sydney Australia, March and at the Australian Institute of Health and Welfare Seminar, Canberra Australia, March

2001

Black C. Changes in Health and Health Care Use of Manitobans 1985–1998. Agence d'évaluation des technologies et des modes d'intervention en santé. Montreal QC, May

Black C. Research on health and health care: What's relevant for Deputy Ministers of Health? Conference of Provincial and Territorial Deputy Ministers of Health. Calgary AB, March 2001.

Bond R. An application of the Thurstone Scaling Method. With the Lung Cancer Research Group at Karolinska Institutet, Stockholm, Sweden, May 9

Brownell M, Martens PJ, Kozyrskyj A. Assessing the health of children in Manitoba: A population-based study. The Rural and Northern Health Care Meeting, Winnipeg MB, September

Brownell M, Fransoo R, DeHaney S. Why is the health of some Manitobans not improving? The Eighth Annual Rural and Northern Health Care Meeting, Winnipeg, MB, September

Brownell M, Mayer T, Friesen D, Martens PJ. Childhood injury rates in Manitoba: Sociodemographic factors. The Congress of Epidemiology 2001, Toronto ON, June

Brownell M, Mayer T, Friesen D. Variation in tonsillectomy/adenoidectomy rates in Manitoba Children across geographic region and time. The Congress Epidemiology 2001, Toronto, ON, June

Cooper K, & Lix LM. Working together in partnerships: What do CAPC and CPNP in Alberta and Saskatchewan Say is Important? The annual meeting of the Canadian Public Health Association, Saskatoon, SK, October

DeCoster C. Cataract surgery waiting times when there is a parallel private sector. Standing Committee on Municipal Affairs, Hearings on Bill 25—The Health Services Insurance Amendment and Consequential Amendments Act. Winnipeg MB, July

Forsyth S. Communities and Individual Quality of Life in Winnipeg. Healthy Child Manitoba, Winnipeg MB, April 19

Forsyth S. Communities, Individuals and Quality of Life Indicators. Seed Winnipeg, Winnipeg MB, September 26

Forsyth S. Communities and Individual Quality of Life in Winnipeg. St. Boniface Child Poverty Committee, Winnipeg MB, October 15

Forsyth S. Winnipeg Directory of Programs for Children and Youth. Social Planning Council of Winnipeg, Winnipeg MB, November 30

Forsyth S. Winnipeg Directory of Programs for Children and Youth. PERK, Winnipeg MB, December 3

Frohlich N, Oppenheimer J, Kurki A. How prevalent is self-interest and how can we tell? The ESA World Meeting - Economics Society of America, UPF Barcelona, June

Frohlich N, Oppenheimer J. Modeling other-regarding preferences: Insights from modified dictator experiments. The 2001 meeting of the Economic Science Association in Barcelona, Spain, June 21-24

Frohlich N, Oppenheimer J, Kurki A. How prevalent is self-interest and how can we tell? The Public Choice Society Meeting, San Antonio TX, March

Hall M, Havens B. Social isolation and social loneliness among older rural and urban Manitobans. The Determinants of Chronic Good Health and Chronic Ill Health Research Workshop, Winnipeg MB, July

Keselman H J, Wilcox R, Lix, LM. A robust approach to hypothesis testing. Annual meeting of the Western Psychological Association, Maui, May

Kozyrskyj A. Using administrative data and linkages to assess the burden of LRTIs among Manitoba children. The Impact and Approaches to Prevention of RSV in Challenging Settings Department of Medical Microbiology, University of Manitoba, Winnipeg MB, April

Kozyrskyj A. Small area variation in prescription drug use among Manitoba children. The Canadian Association for Population Therapeutics Annual Conference, Banff AB, April

Kozyrskyj AL, Hildes-Ripstein GE, Longstaffe SEA, Wincott JL, Sitar DS, Klassen TP, Moffatt MEK. Short course of antibiotics for acute otitis media in children less than 2 years of age? 9th International Cochrane Collaboration 2001, Lyon, France, October

Livingstone T, Lix L, McNutt M, Morris E, Osei W, Rosenbluth D, Scott D, Watson F. Monitoring the effects of family health benefits for rural children in low-income families. Canadian Rural Revitalization Foundation Conference, Muenster, SK, October.

Lix, L. M., Roos, L. L., Ekuma, O., & Newburn-Cook, C. Modeling premature mortality in one Canadian province: The longitudinal analysis of rare events. International Conference on Health Policy Research, Boston, MA, December

Martens PJ. Writing a research proposal: the ins, and outs, the ups and downs. Breastfeeding in the 21st century: How policy can affect practice. International Lactation Consultant Association 16th Annual conference. Acapulco, Mexico, July

Martens PJ, Derksen S, Mayer T, Brownell M. Caesarean section rates in Manitoba: Sociodemographic influences. The Congress of Epidemiology, Toronto ON, June

Martens PJ, Mayer T, Derksen S. Are Canadian breastfeeding duration rates underestimated? A second look at a national survey. The Congress of Epidemiology, Toronto ON, June

Martens PJ. Partners in prenatal care. The BC Reproductive Care Program and BC Women's Diagnostic/Ambulatory Program, Vancouver BC, April

Martens PJ, Kozyrskyj A, Black C. Assessing the health of Manitoba children: A population-based study. The Departmental Executive Committee, chaired by Deputy Minister Ian Green, Ottawa ON, March

Martens PJ. How healthy are Parkland's children? An overview of regional child health indicators. Parkland RHA Annual General Meeting. Dauphin, MB, November

Menec VH. Building bridges between scientific research, policy, and practice. 17th World Congress of the International Association of Gerontology, Vancouver, July

Metge CJ. The Manitoba Pharmacy Conference: Feeling the Power...Everyone Else is. Winnipeg, May

Peterson S. Are there area or school contextual effects on adolescent smoking behaviour? A multilevel analysis. The University of Manitoba, Department of Community Health Sciences, Winnipeg MB, March

Roos LL, Jebamani L & Soodeen R. An information-rich environment: Linked-record systems and data quality in Canada. The Statistics Canada's 2001 Symposium, XVIIIth International Symposium on Methodological Issues and Workshops, held in Ottawa, ON, October 16-19

Roos LL. Acute myocardial infarction in a longitudinal analysis of incidence and mortality. The International Society for Health Research, Winnipeg MB, July

Roos LL, Uhanova J. The impact of socioeconomic status on clinical features and outcomes of acute myocardial infarction. The Institute of Cardiovascular Science and Medicine 5th Scientific Meeting, Wanchai, Hong Kong, December 1

Shapiro E. Reflections on health care from the perspective of elders. The Workshop on Transforming Health in an Era of Chronic Disease and Aging Clientele for the McGill University MD-MBA program, Montreal, Quebec, April

Soodeen R, Martens PJ, Roos L, Roberts J, Fransoo R, Black C. Providing information to regional health care planners: A Manitoba case study. Epidemiology Supercourse 2001

COMMITTEES

Charlyn Black

- Department of Community Health Sciences, Faculty of Medicine Executive Council, Faculty of Medicine
- Faculty of Medicine Research Committee (Appointed by the Dean)
- Executive Committee, Department of Community Health Sciences
- Basic Science Department Representative, Faculty of Medicine Recruitment Priorities Committee
- Continuing Medical Education Faculty Executive Committee
- Graduate Studies Committee, Department of Community Health Sciences
- Canadian Population Health Initiative Council
- External Representative, Federal/Provincial/Territorial Committee on Health Services, Advisory to Deputy Minister of Health
- Steering Committee, Western Canada Waiting List Project
- Leaders' Roundtable on Health and Wellness Issues, Conference Board of Canada
- Health Information Privacy Committee (HIPC) of the Province of Manitoba
- CIHI National Health Reports Expert Group

Carolyn DeCoster

- Research Committee, Western Canada Waiting List Project, Phase 2
- Ophthalmology Headship Search Committee
- National Advisory Group, McMaster University
- Hospital Abstract Users Group
- Health Information Technologist Advisory Committee, Red River College
- Joint WRHA/Manitoba Health Bed Inventory Advisory Group
- Supplementary Abstract Working Group
- Manitoba Health Hospital Abstracting Advisory Group
- General Surgery Panel, Western Canada Waiting List Project

Norm Frohlich

- Warren Chair Search Committee, I. H. Asper School of Management
- Community Health Sciences Search Committee (external member)
- National Tri-Council Panel of Research Ethics
- SSHRC Adjudication Committee #13

Anita Kozyskyj

- Human Ethics Research Board, Faculty of Medicine, University of Manitoba
- Chief Administrator, Pharmacy Examining Board of Canada-OSCE Exams
- Canadian Association for Population Therapeutics
- Canadian Pharmacists Association
- Manitoba Pharmaceutical Association
- Graduate Studies Committee, Department of Community Health Sciences

Lisa Lix

- Health Information Standards Committee, Manitoba Health
- Health Information Privacy Committee, Manitoba Health
- Socio-Health Grants Review Committee, Health Services Utilization and Research Commission, Saskatoon

Patricia Martens

- ACADRE Review/Advisory Committee (2002-2004) (Aboriginal Capacity and Developmental Research Environments), through the Manitoba First Nation Centre for Aboriginal Health Research
- Expert Review Panel for the Canadian Health Services Research Foundation (CHSRF) 2001 Open Grants Competition
- University of Manitoba Fellowship Awards Committee
- Expert Review Panel for the Manitoba Health Research Council
- Individual Expert Member on the Breastfeeding Committee for Canada
- Expert Advisor to the Baby Friendly Coordinating Committee of Manitoba, Manitoba Health and Regional Health Authorities
- Collaborative Perinatal Project Team, Manitoba Health
- Advisory Committee for Rural and Remote Health Innovations Initiative, Health Promotions and Programs Branch, Manitoba/Saskatchewan Region of Health Canada
- Provincial Advisory Committee for the Canada Prenatal Nutrition Program (CPNP)
- International Lactation Consultant Association (ILCA Research Committee)
- Providence Theological Seminary Doctoral Program Research Ethics Board
- Editorial Board (research design/statistics advisor) of the journal, "Current issues in Clinical Lactation"
- Expert Review Panel for CIHR Health Services Research and Interventions Panel

Verena Menec

- Undergraduate Education Committee, Dept. of Community Health Sciences
- Executive Committee, Dept. of Community Health Sciences
- Graduate Student Committee, Dept. of Community Health Sciences
- Health Research Ethics Board, Faculty of Medicine, University of Manitoba
- Centre on Aging Advisory Committee

Colleen Metge

- Chair, Osteoporosis Society of Canada, National
- Chair, National Drug Scheduling Advisory Committee, Advisory to the Provinces
- National Drug Utilization Advisory Group
- Canadian Institute for Health Information Expert Advisor
- Drug Effectiveness/Outcomes Research Workshop, Bureau of Licensed Product Assessment
- International Society for Pharmaceutical Outcomes Research
- Canadian Association for Population Therapeutics
- Canadian Pharmacists Association

Leslie Roos

- Associate Emeritus, Population Health Program, Canadian Institute for Advanced Research
- Research Advisory Committee, Institute for Health Economics, University of Alberta
- Tenure Promotion Review, University of Toronto
- Research Affiliate, Centre on Aging, University of Victoria

Noralou Roos

- Associate, Population Health Program, Canadian Institute for Advanced Research
- Institute of Health Services & Policy Research Advisory Board
- Health Research Ethics Board, Faculty of Medicine, University of Manitoba
- Reviewer, Canada Research Chairs Program, Government of Canada

Evelyn Shapiro

- Planning Committee for Workshop on Capitation, Montreal, Quebec
- Expert Advisor, National Home Care Cost Effectiveness Project, Health Canada
- National Council on Ethics in Human Research
- Gerontological Advisory Committee, Dept. of Veterans Affairs

Leonie Stranc

- Manitoba Maternal Serum Screening Working Group

Diane Watson

- Chair, Scientific Committee, National Conference 2001 & 2002, Canadian Occupational Therapy Association

FINANCIAL INFORMATION

In addition to the \$1.85 million in funding received from Manitoba Health as described below, MCHP researchers continued to be successful in receiving career awards and research grants to support their research. MCHP operating funds from these other sources for 2001/02 totalled approximately \$1.36 million.

Manitoba Health Portion of Annual Budget – 2001/2002	
Salaries	
Staff	910,000.00
Support Staff	324,000.00
Benefits	174,000.00
Payroll Levy	26,500.00
External Contracts	70,000.00
Salaries Subtotal	\$1,504,500.00
Other Expenditures	
Office Expenses	190,500.00
Equipment	
Purchases	111,000.00
Maintenance	4,000.00
Other Expenditures Subtotal	\$345,000.00
TOTAL	\$1,850,000.00