DEPARTMENT
OF COMMUNITY
HEALTH SCIENCES

ANNUAL REPORT
1 APRIL 2011 THROUGH 31 MARCH 31, 2012
I am pleased to present the department’s report for this academic year. Faculty members, students, and staff have been recognised for their work in many ways. Congratulations to everyone!

As I step down as Department Head after four years, I would like to extend my thank you to everyone in the department for their contributions and enthusiasm.

On 1 September 2012, Dr. Stephen Moses will assume the role as Professor and Head.

Welcome Stephen!

Sharon M. Macdonald, MD, FRCPC
Department Head
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MISSION

To create, preserve and communicate knowledge with respect to the health of populations and thereby contribute to the physical, psychological, cultural, social and economic well-being of the people of Manitoba, Canada and the world.

GOALS

To fulfill its mission, the Department of Community Health Sciences strives:

- to provide the highest quality education, employing a population-based approach to health and health care;
- to play a leadership role in ensuring that all undergraduate teaching in the Faculty has a population health and critical appraisal perspective and preventive focus where appropriate;
- to enhance student success by fostering an environment conducive to intellectual growth;
- to conduct original scholarship and applied research in the area of population health of the highest quality as judged by international standards; and
- to serve the community by making its expertise available and where appropriate by providing exemplary service models to individuals, communities, institutions and governments to the fullest extent.
HISTORY

The Department of Community Health Sciences (CHS) was created in 1987 through the merging of the Department of Social and Preventive Medicine and the Division of Community and Northern Medicine thus recognizing the confluence of interests and activities between the two units.

The Department of Social and Preventive Medicine (SPM) had existed as a small department within the medical school since the 1950’s but had no full-time faculty members until the mid-1960’s. Its first full-time Head, the late Dr. David G. Fish (1973-1987) began the recruitment of research scholars and scientists supported by career awards and laid the groundwork for SPM as a research-intensive department.

A parallel development during the 1970’s was the establishment and growth of the Northern Medical Unit (NMU) under the leadership of the late Dr. John A. (Jack) Hildes. The NMU provided medical services to Inuit communities in the Keewatin region of the Northwest Territories and in First Nations, Métis, and rural/remote communities in northern Manitoba.

Dr. Hildes was the Associate Dean responsible for the Division of Community Medicine, which incorporated the NMU, the community medicine residency program, and also undergraduate teaching in family and community medicine. It changed its name to the Division of Community and Northern Medicine (CNM) in 1984. It was due to Dr. Hildes’ foresight and energy that the University of Manitoba became a leader in health services, research, and education with First Nations, Métis, and Inuit peoples.

The amalgamation created a well-rounded department that aims to excel in the three pillars of academia - teaching, research, and service. Dr. Brian Postl became the first Head of the new department, a post he held from 1987-1993. He was succeeded by Dr. Michael Moffatt, who served from 1993-1998, Dr. T. Kue Young from 1998 to 2002, Dr. John O’Neil from 2002 to 2007, Dr. Lawrence Elliott from 2007 to 2008, and Dr. Sharon Macdonald from 2008 to 2012.
DEPARTMENTAL ACADEMIC

FULL TIME FACULTY/UNIT HEADS

Professors

James F. Blanchard, BSc (Med), MD (Manitoba), MPH, PhD (Johns Hopkins); Evelyn L. Forget, BA (Hons.) (Glendon College), MA, PhD (Toronto); Shiva Halli, BSc, MSc (India), PhD (Western Ontario); Thomas H. Hassard, BSc, MSc, PhD (Belfast); Alan Katz, BSc, MB, ChB (Capetown); Joseph M. Kaufert, BA (Minnesota), MA, PhD (Northwestern); Patricia A. Kaufert, BA (Hons.) (Leeds), PhD (Birmingham) retired on 31 December 2011 and is now a Senior Scholar; Patricia Martens, BSc (Chemistry), Cert.Ed. (Secondary), MSc (Manitoba), IBCLC, IBLCE, PhD (Manitoba); Verena Menec, BA, MA, PhD (Manitoba); Michael E.K. Moffatt, BSc, MD (Toronto), MSc (McGill), FRCPC; Noralou P. Roos, AB (Stanford), PhD (MIT); Robert B. Tate, BSc (Winnipeg), MSc, PhD (Manitoba)

Associate Professors

Judith Bartlett, MSc, MD, CCFP, FCFP (Manitoba); Sharon Bruce, BN, MA, PhD (Manitoba); S. Michelle Driedger, BA (Hon.) (Winnipeg), M.A. (Carleton), Ph.D. (McMaster); Lawrence J. Elliott, MD, MSc (Manitoba), CCFP (Dalhousie), FRCP; Sharon M. Macdonald, BSc (Med), MD (Manitoba), FRCP; Pierre Plourde, MD (Ottawa), FRCP

Assistant Professors

Tracie Affiti, BSc, MSc, PhD (Manitoba); Marcia Anderson DeCoteau, BSc (Winnipeg), MD (Manitoba), MSc (Toronto), FRCP; Francis Plummer, MD, FRCP; Brian Postl, MD; Allan (Winnipeg), MD (Manitoba), MPH (Johns Hopkins), FRCP; Lisa Avery, BSc (McGill), MD (Manitoba), MIH (University of Copenhagen), FRSC; Robert M. Chase, BSc (Toronto), CCFP, FRCP, MSc (McMaster); Malcolm Doupe, BPEd, MSc, PhD (Manitoba); Brenda Elias, MA, PhD (Manitoba); Randy Fransoo, BSc, MSc, PhD (Manitoba); Depeng Jiang MSc, PhD (Southeast University); Joel D. Kettner, MD (Manitoba), FRSC, MSc (London), FRCP; Robert Lorway, BA (Hons.) (St. Mary’s), MA (Dalhousie), PhD (Toronto); Salaheddin Mahmud, MD (Libya), MSc (London-UK), PhD (Manitoba), CCFP, FRCP; Mahmoud Torabi, BSc, MSc (National University of Iran), PhD (Carleton)

Instructor

Gladys Stewart, Dip DH, BA, MSc (Manitoba)

PART TIME FACULTY

Professors

David Butler-Jones, MD (Toronto), CCFP, MHCSc (Toronto), FRCP, FACP; Harvey Max Chochinov, BA (Winnipeg), MD, FRCP, PhD (Manitoba); Juliette Cooper, DipP, OT (Toronto), BOT, MSc, PhD (Manitoba); Brian Cox, BA (Hons.) (Winnipeg), MA, PhD (York); Murray Enns, BSc (Med), MD (Manitoba), FRCP; Keith Fowke, PhD, BSc (Hons.) (Manitoba); Gary Glavin, PhD (Manitoba); Ellen R. Judd, BA, MA (Queen’s), PhD (UBC), FRSC; Robert Kerr, BSc, MSc, PhD; Stephen Moses, MD (Toronto), MPH (Johns Hopkins); John D. O’Neil, BA, MA (Saskatchewan), PhD (Berkeley); Pamela Orr, MSc (Manitoba), MD (Toronto), FRCP; Francis Plummer, MD, FRCP; Brian Postl, MD; Allan
PART TIME FACULTY

Professors

Ronald, BSc, MD, FACP, FRCPC; Leslie L. Roos, AB (Stanford), PhD (MIT); Jitender Sareen, BSc (Winnipeg), BSc(Med), MD (Manitoba), FRCPC; Alexander Segall, BA, MA (Manitoba), PhD (Toronto); Milton Tenenbein, MD (Manitoba), FRCPC; John Wade, BS (North Dakota), BSc, MD (Manitoba), FRCPC

Associate Professors

Francis Amara, BSc (Hons.), PhD (Ulster, Northern Ireland), M.Ed. (Manitoba); Marni Brownell, BA (Hons.) Winnipeg, MA (Toronto), PhD (Manitoba); Catherine Cook, MSc, MD (Manitoba), CCFP; Sandor Demeter, BSc, MD (Sask.), MHS, FRCPC (Comm. Med.) (Toronto); Allan Garland, BS, BA, MA, MD; Maureen Heaman, BN, MN, PhD (Manitoba); Cynthia (Cindy) Jardine, BSc (Manitoba), MSc, PhD (Alberta); Erich Kliewer, BSc, MSc (Manitoba), PhD (British Columbia); Anita Kozyrskyj, BScPharm (Hons.) (Toronto), MSc, PhD (Manitoba); Allen Kraut, MD, FRCPC; Lisa Lix, BSHEc (Saskatchewan), MSc, PhD (Manitoba); Ruth Ann Marrie, BSc, MD, MSc, PhD; Gustaaf Sevenhuysen, BSc, PhD (London); Shanye Taback, BSc, MD, FRCPC (Manitoba); Donna Turner, BSc (Victoria), MSc (Calgary), PhD (Alberta); John Walker, B.A. (Hons.), M.A., Ph.D. (Manitoba); Reynold Washington, Dipl DNB, MD, MBBS (India); Debrah Wirtzfeld, BA (Hons.), BSc (Distinction), MD (Calgary), MSc (Memorial), FRCSC, FAC

Assistant Professors

Carole Beaudoin, BA, MSc, PhD (Manitoba); Marissa Becker, MD, FRCP, MPH; Eric Bohm, BSc, ME, MD (McMaster), MSc (Dalhousie), FRCS; Ingrid Botting, BA (Winnipeg), PhD (Memorial University); Shelley Buchan, MD, CCFP (Sask.), FRCP; Linda Burnside, BA, MEd, PhD (Manitoba) Patricia Ann Caetano, BSc (Winnipeg), PhD (Manitoba); Les Carrothers, BA (Brandon), MPA, PhD (Manitoba); Mariette Chartier, RN, PhD (Manitoba); Dan Chateau, BA (Guelph), MA, PhD, (Western); Judith Chipperfield, BA (Hons.), MA, PhD (Manitoba); Ian Clara, BScH (Queen’s), MA (Manitoba), PhD (Manitoba); Benita Cohen, BA (Carleton), BN (Ottawa), MSc (Manitoba), PhD (Manitoba); Piotr Czaykowski, BSc, MD (UBC), MSc (Toronto); Alain Demers, BSc, MSc, PhD (Laval); Anne Durcan, MD (Manitoba), CCFP (Dalhousie); Faran Emmanuel, MBBS (Punjab), MSc (Aga Khan University); Rachel Eni, BA (Winnipeg), MSc, PhD (Manitoba); Carla Ens, BEd BHEc (Manitoba), MSc, PhD (Manitoba); Margaret Fast, BSc, MD (Manitoba), FRCPC, DTCH (Liverpool); Chris Green, BA (Winnipeg), MHS (Toronto), PhD (Manitoba); Jane Griffith, BPE, Ed. Cert., MA, PhD (Manitoba); Sande Harlos, BSc (Alberta), MD (British Columbia), FRCPC; Tim Hilderman, BSc (Med), MD (Manitoba), FRCPC; Shajy Isac, PhD; Yoav Keynan, MD, PhD; Sara Kreindler, BA (Hons.) (Manitoba), DPhil (Oxford); Jayanna Krishnamurthy, MD; Linda Larcombe, MA (Manitoba), PhD (Manitoba); Josee Lavoie, BSc, MA (McGill), PhD (London); Keith Lowe, BA, MSc,PhD; M. Nawal Lutfiyya, BA (Manitoba), MA (Iowa), PhD (UMASS-Amherst); Alexander Macaulay, B.Sc. (New Brunswick), MD, CCFP (Dalhousie), MSc (Manitoba); Gail Marchessault, BHEc , MSc, PhD (Manitoba); Bruce Martin, BSc (Toronto), MD (Queen’s), CCFP, MSc (Manitoba); Andrew McKay, MD, MSc, (Manitoba), FRCSC; Colleen
Metge, BSc (Alberta), PhD (Manitoba); Javier Mignone, M.A. (Alberta), Ph.D. (Manitoba); Elizabeth Ngugi, RN (Kenya), BSc. MA PhD (Columbia Pacific); Christine Peschken, MSc (McGill), MD (Sask.), FRCP; Linda Poffenroth, BSc (Alberta), MSc, MD (Manitoba), FRCP; William Pope, MD, FRCP, LLB (Manitoba); Malathi Raghavan, DVM, MS, PhD; B.M. Ramesh, BA, MA, PhD (India); Clare Ramsey, BSc, MD (Manitoba), MSc (Harvard); Colette Raymond, BScPharm (Alberta), ACPR (Ottawa), PharmD (British Columbia), MSc (Manitoba); Ted Redekop, BSc, MD (Manitoba), CCFP, FRCP; Sushena Reza-Paul, MBBS (India), MPH, DPH (Alabama); Nichole Riese, BSc, MSc, MD (Manitoba), CCFP (McMaster); Jan Roberts, BM, BS (Sydney), MSc, PhD (Manitoba); Karen Robinson, MD, MPH, FRCPC; Rob Robson, BA (Manitoba), MD (McGill), FRCP; Michael Routledge, BSc (Med), MD (Manitoba), CCFP, MSc (Manitoba), FRCP; Robert Santos, BA, MA, PhD (Manitoba); Julianne Sanguins, B.Sc. (Toronto), M.Sc. (Portland), Ph.D. (Calgary); Shahin Shooshtari, B.Sc. (Iran), M.S.P.H. (Iran), Ph.D. (Manitoba); Mrunal Shetye, MBBS, MD; Harminder Singh, MBBS (New Delhi), MD (New Delhi), MPH (Manitoba), FRCPC (Manitoba); Joyce Slater, BSHEc (Saskatchewan), MSc (Manitoba), PhD (Manitoba); Navdeep Tangri, MD FRCPC; Doug Tataryn, BA (Hons.) (Manitoba), MA, PhD (Arizona); Elise Weiss, MSc, MD, CCFP; Brock Wright, BSc, MD, FRCP, MBA (Manitoba); John Wylie, BSc (Manitoba), MSc (Ottawa), PhD (Manitoba); Bo Nancy Yu, MD (Harbin), MSc (Beijing), PhD (Manitoba); Ryan Zarychanski, BSc, BSc (Med.), MD, MSc (Ottawa), FRCPC

Senior Lecturer

Bumi Fatoye, MBBS (Lagos), CCFP, FRCPC (Manitoba)

Research Affiliates

Kawango Agot, BEd, MPH, PhD; Elizabeth Ngugi, RN (Kenya), BSc, MA, PhD (Columbia Pacific)

Instructor

Kelly Cranswick, MA
FINANCIAL OVERVIEW

The Department of Community Health Sciences continues to bring in stable funding across the Department. Faculty brought in 31 new research grants with funds totalling approximately $15.5 million with an average time frame of two years and some as long as four years. There are 80 on-going research grants with funds totalling just over $73 million over the next two to four years.

Operating funds including research start up, Canada Research Chair operating, income generating, cost recovery, over-head and general Department operating funds total approximately $5 million.

See Appendix 1 – for list of new and on-going funds.

We are continuing to update office space and support the renovations to the Section, J.A. Hildes Northern Medical Unit, and the Manitoba Centre for Health Policy. The ten new research spaces that were made available last year are being used consistently with on-going requests for additional research space.

SUPPORT STAFF

Kathleen Bell, Administrative Assistant to the Department Head;

Paulette Collins, Department Administrator;

Karen Cook, Project Manager, Community Engagement;

Brenden Dufault, BioStats Consultant;

Don Erickson, Information Technologist;

Princess Fernandez, Finance Officer;

Theresa Kennedy, Administrative Assistant for the Graduate and Residency Program;

Iryna Tsybukh, Office Assistant/Undergraduate Program Assistant
EDUCATIONAL PROGRAMS

The Department provides teaching and mentorship in Community Health Sciences to undergraduate medical students, graduate students (Diploma, Masters and Doctoral), residents in Public Health and Preventive Medicine, and post-doctoral fellows. The Department also hosts two training opportunities for students from a variety of disciplines, the Western Regional Training Centre and The Manitoba NEAHR program.

UNDERGRADUATE EDUCATION PROGRAM

DR. JOEL KETTNER,
DIRECTOR 1 APRIL 2011 - 31 AUGUST 2011
DR. TIM HILDERMAN,
DIRECTOR - 1 SEPTEMBER 2011 - 30 JUNE 2012

The Department teaches in all four years of the medical curriculum spanning Pre-clerkship, Introduction to Clerkship and Clerkship. Dr. Tim Hilderman has directed the undergraduate program as of 1 September 2011. The Interprofessional (IPE) Health Promotion & Communication Group learning session with nine faculties, 416 students, and 44 facilitators was successfully implemented on 14 March 2012. IPE was co-ordinated within a CHS component of the Med 1 Block 3 Medicine Special course. The development of a longitudinal course in Community Health/Epidemiology is in the initial stages of planning for a new curriculum in the academic year starting in 2013.

The Department recognises excellence in medical students’ scholarly activity in the field of population and public health sciences. Prizes are awarded to students in the Community Health Sciences Clerkship who produce the best scholarly paper on public health and health policy. The list of prize winners from the Class of 2012: Dr. Sara Hosseini, “Effect of Periodontal Care on Pregnancy Complications and Outcomes”; Dr. Meghan Chatwin, “Periodontal Disease and Coronary Heart Disease: Evidence for the Link and Implications for Public Health”; and Dr. David Christiansen, “The Risk and Criminalization of HIV Transmission”. 
GRADUATE PROGRAM
DR. ROBERT TATE, DIRECTOR

The two year period prior to April 2011 saw much activity related to the departmental response to the external review of our graduate program. Changes to both the delivery of courses and procedures for student thesis development and examination were approved. The period beginning April 2011 saw the implementation of these changes.

There are nine members of the Graduate Program Committee. Three appointed: Director of the Graduate Program, Dr. Robert Tate; ex-officio member Department Head Dr. Sharon Macdonald; and the Director of the Population Health Preventive Medicine (PHPM) residency program, Dr. Tim Hilderman. In addition there are six members elected for three-year terms by the Department Council: four full-time faculty, Drs. Randy Fransoo, Lawrence Elliott, Malcolm Doupe, and Michelle Driedger and two part-time faculty, Drs. Shayne Taback and John Wylie.

Ms. Theresa Kennedy is the full time graduate program administrative assistant.
**GRADUATE STUDENTS**

Eighteen CHS students completed their Master’s or Doctoral programs during the year. This includes four PhD students, eight MSc and six MPH graduates.

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<tr>
<th>Student</th>
<th>Program</th>
<th>Thesis Title</th>
<th>Defence Date</th>
<th>Advisor(s)</th>
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<tr>
<td>Phyllis Reid-Jarvis</td>
<td>MPH</td>
<td>Pilot Testing of the English as an Additional Language (EAL) Nutrition Toolkit with Teachers of English as an Additional Language to Immigrant Senior and non-senior Canadians</td>
<td>30/03/2012</td>
<td>Drs. R. Tate, L. Elliott Field Placement Supervisor: C. Rand</td>
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<tr>
<td>Curt Pankratz</td>
<td>PhD</td>
<td>National Health Policies and Population Health Outcomes in 17 OECD Countries: An Application of the Welfare State Regimes Concept</td>
<td>29/02/2012</td>
<td>Dr. E. Forget</td>
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<tr>
<td>Sandra Allison</td>
<td>MPH</td>
<td>PEG – Winnipeg’s Community Indicator System – Secrets to Success</td>
<td>10/02/2012</td>
<td>Drs. R. Tate, L. Elliott and T. Hilderman Field Placement Supervisors: Dr. M. Moffatt, Dr. C. Metge</td>
</tr>
<tr>
<td>Joanna Asadoorian</td>
<td>PhD</td>
<td>Exploring Dental Hygiene Clinical Decision Making – A Mixed Methods Study of Potential Organisational Explanations</td>
<td>31/01/2012</td>
<td>Dr. E. Forget</td>
</tr>
<tr>
<td>Sarah Kirby</td>
<td>MPH</td>
<td>Implementation and Dissemination Research on Prevention and Health Promotion Interventions in Indigenous Communities: A Systematic Scoping Review</td>
<td>21/12/2011</td>
<td>Drs. R. Tate, L. Elliott and T. Hilderman Field Placement Supervisors: Dr. M. Moffatt, Dr. C. Metge</td>
</tr>
<tr>
<td>Elham Sadeh</td>
<td>MSc</td>
<td>Consolidation of Acute Care Surgical Services: Learning from Patient Experiences</td>
<td>21/12/2011</td>
<td>Dr. M. Moffatt</td>
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<tr>
<td>Nadin Tonn</td>
<td>MSc</td>
<td>Food Insecurity and Self-Reported Psycho-Social Health Status in Manitoba First Nation Communities: Results from the Manitoba First Nations Regional Longitudinal Health Survey 2002/2003</td>
<td>14/12/2011</td>
<td>Dr. B. Elias</td>
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<td>Songul Bozat-Emre</td>
<td>PhD</td>
<td>Investigating the Association between Atypical Antipsychotic Medication Use and Falls Among Personal Care Home Residents in the Winnipeg Health Region</td>
<td>5/12/2011</td>
<td>Dr. M. Doupe</td>
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<tr>
<td>Jami Neufeld</td>
<td>MPH</td>
<td>Tuberculosis and Emergency Shelter Environments in Winnipeg, Manitoba</td>
<td>18/11/2011</td>
<td>Drs. R. Tate, L. Elliott and T. Hilderman Field Placement Supervisor: Dr. W. Libich</td>
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<tr>
<td>Brent Roussin</td>
<td>MPH</td>
<td>The Occupational Health and Safety of Welders</td>
<td>4/08/2011</td>
<td>Drs. R. Tate, L. Elliott and T. Hilderman Field Placement Supervisor: Dr. T. Redekop</td>
</tr>
<tr>
<td>Student</td>
<td>Program</td>
<td>Thesis Title</td>
<td>Defence Date</td>
<td>Advisor(s)</td>
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<tr>
<td>Yang Cui</td>
<td>MSc</td>
<td>The Economic Evaluation of Manitoba Health Lines in Chronic Disease Management of Congestive Heart Failure</td>
<td>28/07/2011</td>
<td>Dr. E. Forget</td>
</tr>
<tr>
<td>Elaine Burland</td>
<td>PhD</td>
<td>The Evaluation of a Fall Management Program in a Personal Care Home (PCH) Population</td>
<td>26/07/2011</td>
<td>Dr. P. Martens</td>
</tr>
<tr>
<td>Darcy Heron</td>
<td>MSc</td>
<td>Skin Infection in Early Life, Stress Response and Asthma Development in Children</td>
<td>22/06/2011</td>
<td>Dr. A. Kozyrskyj</td>
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<tr>
<td>Dorian Watts</td>
<td>MSc</td>
<td>The Communication of West Nile Virus Risk</td>
<td>19/06/2011</td>
<td>Dr. M. Driedger</td>
</tr>
<tr>
<td>Brett Hiebert</td>
<td>MSc</td>
<td>Familial Aggregation of Childhood Health and the Socioeconomic Gradient of Disease: A Longitudinal Population-Based Sibling Analysis</td>
<td>15/07/2011</td>
<td>Dr. L. Roos</td>
</tr>
<tr>
<td>Sheila Novek</td>
<td>MSc</td>
<td>Women, Migration and Care Work: Filipino Health Care Aides in Canada</td>
<td>27/06/2011</td>
<td>Dr. P. Kaufert</td>
</tr>
<tr>
<td>Tim Pasma</td>
<td>MSc</td>
<td>Assessing the Feasibility of Swine Influenza Surveillance in Manitoba</td>
<td>22/06/2011</td>
<td>Dr. L. Elliott</td>
</tr>
<tr>
<td>Philibert Ru-</td>
<td>MSc</td>
<td>Vancomycin Resistant Enterococcus (VRE) Outbreak in Winnipeg Hospitals</td>
<td>7/06/2011</td>
<td>Drs. R. Tate, L. Elliott, T. Hilderman Supervisor: Brenda Dyck</td>
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New courses introduced included:
- CHSC 8600 Senior Seminar in Community Health Sciences
- CHSC 7610 and 7620 course numbers for the offering of 1.5 credit hour Advanced

Topics courses for senior students:
- CHSC 7860 Methods and Concepts in Community Health Sciences is our revamped research methods course, with an emphasis on a population/Community health approach utilising qualitative, quantitative, and mixed methods approach to research study design.
- CHSC 7810, CHSC 7820, and CHSC 7830 are the new course numbers replacing three previously offered courses in Biostatistics. Each of the three courses are targeting different groups of students in our program: medical residents and health professionals, our CHS Master’s level students, and PhD level students respectively.

ADMISSION PROCEDURES

A review of our admissions procedures were undertaken by a committee chaired by Dr. Juliette Cooper. Many of the committee’s recommendations were incorporated into the review of applications between January and March 2012.
From among 78 applications received for Fall 2012, 27 were recommended for admission: 2 PhD, 15 MSc, 7 MPH, and 3 DipPH students. The committee report has been posted to our website.

**CHS GRADUATE STUDENT HANDBOOK**

A new student/faculty handbook was developed and has been posted to our website. Based on comment, it has proven to be a valuable resource for graduate program policy and procedures as student’s progress through their programs.

**RESIDENCY IN PUBLIC HEALTH AND PREVENTIVE MEDICINE, DR. TIM HILDERMAN, DIRECTOR**

The Public Health and Preventive Medicine Residency Program is a speciality training program fully accredited by the Royal College of Physicians and Surgeons of Canada leading to the fellowship (FRCP) qualification. Established in 1979, the program is comprised of five fully funded positions and is five years in duration. Training consists of basic clinical training, academic training towards either a Masters in Public Health (MPH) or a Masters in Science (MSc) in Community Health Sciences, and core and elective rotations in federal, provincial, and regional health and related agencies. Residents may also qualify for certification in Family Medicine by the College of Family Physicians of Canada (CCFP) concurrently.

The Residency Program Directors have played an active role in shaping the future of public health resident education at the Royal College of Physicians and Surgeons of Canada with Dr. Sharon Macdonald serving as the Chief Examiner in Community Medicine and with Dr. Lawrence Elliott’s appointment to the College’s examination committee. Drs. Elliott and Hilderman continue to serve on the Royal College’s Speciality Committee for Public Health and Preventive Medicine.

The program offers residents a unique combination of flexible training opportunities and personal attention from faculty members and facilitates interactions among residents. As of 1 July 2011 there are six residents in the program: Dr. Sandra Allison, Dr. Brent Roussin, Dr. Jocelyn Reimer, Dr. Adrienne Morrow, Dr. Michael Isaac, and Dr. Heejune Chang.

**WESTERN REGIONAL TRAINING CENTRE DR. MALCOLM DOUPE, DIRECTOR**

**Highlights**

Since its inception in 2001, the Western Regional Training Centre (WRTC) has provided training and financial support to 61 University of Manitoba graduate (MSc, PhD, Post Doc) students from a variety of academic disciplines. In addition to supporting students from Community Health Sciences, students from Nursing, Sociology, Family Medicine, Applied Health Sciences, and other disciplines have engaged in this program.

The goals of WRTC are to:
• Provide students with applied health services research training opportunities that address the needs of a wide range of health-care policy makers;
• Expose students to the interface of research and decision-making;
• Support qualified students pursuing health services research training with financial stipends;
• Encourage interactions between graduate students from a broad range of disciplines, including health and non-health backgrounds (e.g., sociology, geography, political science).

WRTC exists in the four Western Canadian provinces and commencing 2001 this program received ten years of funding from the Canadian Health Services Research Foundation. In 2011, WRTC sites were awarded addition peer reviewed grant money from the Canadian Institutes of Health Research (Strategic Training Initiative in Health Research) to partially extend this program until 2015. In addition, the University of Manitoba site has established a long-term funding partnership with Manitoba Health. This provincial support is unique to all other WRTC sites.

Key Activities for 2011/2012:
• Program expansion to include Manitoba Health as a funding partner;
• Continued training to develop highly skilled students with expertise in the area of health services research.

Twenty-five students applied for WRTC training in 2011/12. Nine students were offered places in the program and five accepted. All students engaged in the following activities:
• Complete the WRTC seminar course (CHSC 7730 Topics in Health Services Research);
• Complete additional health services research courses in Community Health Sciences (CHSC 7320, Organisation and Finance of the Canadian Health Care System; and one of CHSC 7310 - Epidemiology of Health Care or CHSC 7300 - Health Policy and Planning)
• Attend and actively participate in a Manitoba Centre for Health Policy Knowledge Translation workshop;
• Attend the Canadian Association of Health Services and Policy Research conference, held May 28 through 31 in Montreal, Quebec;
• Complete a ten week WRTC placement work experience developed in partnership with various stakeholder partners (e.g., Manitoba Health, Provincial Health Regions).

Current Faculty and Staff:

Dr. Malcolm Doupe, WRTC Director, University of Manitoba
Eileen Boriskewich, WRTC Program Co-ordinator

Advisory Group Members:

University of Manitoba: Dr. Lawrence Elliott, Dr. Evelyn Forget, Dr. Michael Moffatt, Dr. Randy Fransoo, and one WRTC student representative.
Manitoba Health: Nathan Hoeppner
DEPARTMENTAL AWARDS

JACK HILDES MEMORIAL AWARD

This Fund was established in 1984 by family, friends, and colleagues of Dr. John Arthur (Jack) Hildes to be awarded to a graduating medical student. Additional donations were received in 2000 on the occasion of the 30th anniversary of the J.A. Hildes Northern Medical Unit.

Jack Hildes (1918-1984) received his medical degree at the University of Toronto, followed by postgraduate studies in Internal Medicine, Gastroenterology and Physiology in England (MRCP 1948), and Canada (FRCP 1949). His work on cold physiology led to many trips to the North (Canada and elsewhere) during which he developed a deep understanding of both the medical needs of circumpolar indigenous peoples and the challenges facing health care workers in remote regions. In 1970 he founded the Northern Medical Unit.

Dr. Hildes was appointed as a Member of the Order of Canada in 1979. In 1983 he received the Dr. and Mrs. Ralph Campbell Outreach Award for meritorious service in outreach activities. In September 1983, Dr. Hildes was presented with the Commissioner’s Award for his outstanding contributions to the improvement of health conditions among people of the North. The nomination for this award was by the Keewatin Regional Council, an all aboriginal assembly. His tireless and selfless patient care in difficult circumstances during the polio epidemic of the early 1950’s was legendary. He received the 1953 City of Winnipeg, Man of the Year Award.

This year’s recipient: Mark Lipson.
DAVID G. FISH MEMORIAL SCHOLARSHIP

In memory of Dr. David G. Fish, his family, friends, and colleagues have established an endowment fund at the University of Manitoba. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. Dr. David G. Fish (1929-2000) was the founding Department Head of the Department of Social/Preventative Medicine at the University of Manitoba. He devoted his career to graduate education and international health. This fund commemorates Dr. Fish, his vision, and his accomplishments and also reflects his interest in research on international health by offering scholarship support for graduate students who undertake research abroad. There was no recipient in this fiscal year.

DR. CHRISTINE EGAN MEMORIAL SCHOLARSHIP

In memory of Dr. Christine Egan (Ph.D. /99), who died tragically on 11 September 2001, her family, friends, and estate established an endowment fund at the University of Manitoba. The purpose of the fund is to perpetuate her values of generosity and caring for others; her commitment to health and education in Nunavut and to expand opportunities for the Inuit of Nunavut to study nursing by providing scholarship support to promising Nunavut nursing students. This year’s recipients: Laura Ell, Dianne Iyago and Nancy Mike.

EVELYN SHAPIRO AWARD FOR HEALTH SERVICES RESEARCH

Professor Evelyn Shapiro had a long and illustrious career in health services research, particularly in the realm of health policy as it relates to care and provision of services for older adults. She developed Manitoba’s Home Care Program and worked nationally to implement similar programs across Canada. As a lead researcher with the Manitoba Centre for Health Policy, she earned world-acclaim for her innovative and policy-relevant research. Her many accolades include the Commemorative Medal for the 125th Anniversary of the Confederation of Canada, an honorary doctorate degree from the University of Manitoba, and the Canadian Medical Association Medal of Honour (their highest award bestowed on a non-physician). In 2007, Professor Shapiro was named a Member of the Order of Canada.

On the occasion of her retirement, the “Evelyn Shapiro Award for Health Services Research” was established to support the work of graduate students whose thesis will use the Population Health Research Data Repository. Professor Shapiro continued as a Senior Scholar in CHS until her death in 2010.

This year’s recipients: Margaret Haworth-Brockman, Deepa Singal and Rae Spiwak.
COMMUNITY ENGAGEMENT

In October 2011, the *UM Connecting to Kids* report was released at a celebration at the Brodie Centre. The *UM Connecting to Kids Project* is about working within our community, building the University’s commitment to helping children reach their full potential. The project was led by Drs. Sharon Macdonald, Faculty of Medicine; Kim Clare, Faculty of Social Work; and A. Elizabeth Ready, Faculty of Kinesiology and Recreation Management; and funded by the 2010 Academic Enhancement Fund. The *UM Connecting to Kids Project* Team also included Elders Margaret Lavallee, Mae Louise Campbell, and Myra Laramee; Community Participants Darlene Klyne, Program Director, Pathways to Education and Marianne Cerilli, West Central Women’s Resource Centre and Co-ordinator for *UM Connecting to Kids Project*; and research assistants Ryan Reyes and Anyslie Hinds from the Department of Community Health Sciences and Adriana Brydon from the Inner City Social Work Program. The report provided an overview of how the University of Manitoba was currently connecting to the inner city and identified opportunities for further engagement.

CHS is taking the lead for the Faculty of Medicine in developing a framework for community engagement to support the development of a common understanding of community engagement and related activities and processes. It is also intended to catalyse further discussions to achieve a more refined and distinct plan that will move this commitment forward. Karen Cook, Project Manager for Community Engagement has joined CHS to take the lead on this initiative.
HIGHLIGHTS

MINI-U BANNATYNE

CHS staff met with Bison Children’s Programs to discuss hosting Mini-U at the Bannatyne campus for three weeks in August 2012. This camp will provide inner city children with a variety of fun and unique sport activities in the Joe Doupe gymnasium at no cost to students and families. For this inaugural Bannatyne Mini-U, CHS and Bison Children’s Programs recruited students from various inner city schools. CHS and Bison staff met with school administrators and made presentations to students to provide an overview of camp activities and requirements.

HUGH JOHN MACDONALD SCHOOL PARTNERSHIP

CHS partnered with Hugh John Macdonald School on two unique and exciting initiatives over the past several months – the creation of a multicultural mural for the northeast corner of the school and a math tutoring program that matched several Faculty of Medicine volunteers with students from HJM. Both of these projects wrapped up in June 2012, with a large gathering of community, partners, and school staff and students on 6 June 2012 to officially commemorate and unveil the remarkably created mural. In late June, volunteers and students gathered at Bannatyne campus for a celebratory lunch as a wrap-up to a very successful tutoring partnership, which will continue into the upcoming 2012/13 school year.
CAREER TREK AT BANNATYNE

Career Trek is a non-profit organisation that provides programs to students that allow them to explore various careers through hands-on experience in different professions and to identify and develop a career interest early on and enhance the likelihood of post-secondary education. In March and April 2012, the Faculty of Medicine hosted Career Trek students in health-related career exploration. Students attended various workshops throughout the Faculty.

SWISH SUMMER WEEKEND INNER-CITY SUPERVISED HOOPS

The Summer Weekend Inner-City Supervised Hoops (SWISH) program was a new initiative coming to the Bannatyne Campus for summer 2012! This new program is based on an outdoor, drop-in basketball venue for inner city children during the summer. SWISH began operating every Saturday beginning on June 30th in parking lot E at McDermot-Bannatyne and continued to 11 August 2012. This is a joint partnership between several UM faculties/schools, including Bison Sports and community partners.

COMMUNITY TOURS

CHS co-ordinated lunch hour walking tours throughout the Bannatyne neighbourhood over the summer months. The first tour took place on June 15th – ten Bannatyne staff participated in the walk to Hugh John Macdonald School to view the new mural adorning the northeast corner of the school. These tours provide Bannatyne staff/students with opportunity to become familiar with our Bannatyne community beyond the campus itself.

BANNATYNE CAMPUS SCHOOL TOURS

Karen Cook, Project Manager, Community Engagement scheduled several tours of the Bannatyne campus for inner city schools during the month of June 2012. These tours provide opportunity for students to explore the campus and learn about potential career options.
BIOMEDICAL YOUTH PROGRAM

The Biomedical Youth Program (BYP) with its expanding volunteer-base continues to be a catalyst for exposing our youths to science, not only in our North End neighbourhood but also throughout rural and First Nations Reserve communities. This year was an exciting time for the BYP because it is now fully recognised as a Unit in the Department of Community Health Sciences. Consequently, in order to expand and enhance its current programming, the BYP is now supported by an administrative assistant and is fund-raising with the University to renovate space at the Faculty of Medicine.

The Summer Science Camp in July, which was held for the first time in Winnipeg’s North End, continues to be a success with a strong presence of participants from the inner city. The Inner City Science Centre (ICSC) continues as a hub for increasing activities, with a record number of participants and sessions. New initiatives such as the Annual Bake

Sale by Friends of the ICSC, the Biotechnology Training Institute for Manitoba Teachers, the Health Career Quest and Transition Tutoring, and the Winnipeg School Division Science Fair at the Brodie Centre proved to be popular and in high demand, with a view of expanding them. Once again, our students and Science Buddies participants were highly successful at the Manitoba School Science competitions collecting several medal awards and prizes.

In addition to the positive impact the BYP is having on the community, it is also establishing itself as an emerging leader in promoting science in underserved communities. The BYP represented the University of Manitoba at the Council of Ministers of Education, Canada Forum on Aboriginal Education, the Secretariat Conference to examine the challenges facing schools on First Nations Reserves, the International Bench Mark Conference on Education, and the Western Canadian Associate Deans Conference. Several international educators from Iceland, USA, Hong Kong, Malaysia, Australia, and twenty other countries have visited the ICSC to learn about its programming. The BYP is looking forward to establishing the International Institutes of Learning and Leading for Science
Teachers and Technicians, and providing leadership in partnership with other universities to establish an International Network of Institutions providing Science Outreach to share best practices and resources and to promote the professional and personal development of science teachers.

The BYP, with the help of volunteers, continues to organise inner city youth into science clubs for after-school sessions. The BYP also provides volunteers to help supervise laboratory activities and for mentoring students for science fair projects. The ICSC serves as the hub for all these activities. The BYP volunteers are important to its success in delivering the projects. The BYP co-ordinators are always working at recruiting volunteers from universities, colleges, and the public-at-large. They are successful in this recruitment drive. Consequently, the BYP has developed a strong and well-established database of increasing number of volunteers, from fifteen in 2008 to well over 100 in 2011. Notably, there is a significant increase also in the number of volunteers from the Faculty of Medicine (Figure 1).

SCIENCE BUDDIES AND SCHOOL ACTIVITIES AT THE ICSC LABORATORIES

The BYP is continuing to provide hands-on activities regularly at the ICSC for the Science Buddies and schools for their science curriculum sessions. These activities continue to increase due to high demand from the inner city, rural and First Nations Reserve communities. The BYP has markedly increased its capacity to offer more activities, tours and visits to the ICSC due to increase in grant funding from its partners. The percentage of inner Winnipeg participants has also increased to slightly over 50% (Figure 2).

The number of schools that are using the ICSC facilities is increasing. In 2010-11 ten schools were at the ICSC and in 2011-12 there were 35 diverse groups, including schools, university
students, and other community organisations that visited and participated in the activities at the ICSC:

1. Niji Mahkwa Elementary School
2. Angus McKay
3. Worthington High School, Minnesota, USA
4. Sisler High School
5. Gordon Bell High School
6. Grant Park High School
7. Holy Ghost School
8. ACCESS Program, University of Manitoba
9. Machray School
10. Victoria Albert
11. Ryerson School
12. Dufferin School
13. Champlain School
14. King Edward School
15. John M. King
16. Norquay
17. Sister MacNamara
18. WilliShaughnessy
19. Casa Montessori and Orff School
20. St. Aidan's Christian School
21. Isaac Newton School
22. St. Edwards
23. Harrow School
24. Rossbrook House
25. Charles Sinclair School
26. Bright Futures
27. Maple Leaf School
28. River Heights School
29. Winnipeg Adult Education
30. University of Manitoba, Science Faculty (first year students)
31. University of Manitoba, Science Faculty (second year students)
32. Garden City Collegiate
33. St. Mary's Academy
34. Art City, Winnipeg

MENTORSHIP PROGRAM

In 2010, the BYP initiated the first mentorship program led by the ICSC laboratory co-ordinator Mr. Barry Wong to provide mentorship for students, including inner city kids undertaking projects for both the Manitoba School Science Symposium and the Encouraging Sustainability Science Fair held at Oak Hammock Marsh in Stonewall, Manitoba. This mentorship involved a total of fourteen students who participated in these science fairs. Mentorship sessions and activities were hosted at the ICSC from December 2010 - April 2011 for two hours twice a week (for a total of four hours per week). Out of the fourteen students that participated in these competitions, ten students won medals (three gold and seven bronze medals). Considering this was the BYP first cohort of mentees in science fairs the results were outstanding.

BIOMEDICAL YOUTH SUMMER CAMP

The 2011 summer camp, which was held at Niji Mahkwa Elementary School, was again a success with just over 30% of the participants being self-declared Aboriginal students (Figure 3).

What was also important is that students from all over Winnipeg came to the North End to attend this camp, thereby helping to break
down barriers.

NATIONAL BIOTECHNOLOGY WEEK

In 2010 the Life Sciences Association of Manitoba (LSAM) selected the ICSC as one of the sites for the National Biotechnology Week. As a result, from 19-21 September 2011, the ICSC hosted 5 groups of twenty students from various schools to take part in hands-on activity in diverse areas of biology, ranging from microscopy to chromatography. In total, 100 students attended the workshops. Most of the students were in grade 2-10. The participating schools were: Casa Montessori and Orff, St. Aidan’s Christian School, Niji Mahkwa, Gordon Bell, and Isaac Newton.

NEW PROJECTS

In 2011-12 the BYP launched two new projects in an effort to increase its connection to First Nations Reserve communities, and to engage the North End neighbourhood in fund-raising for the ICSC. In doing so, these communities will have access to, and support, the facilities at the ICSC:

Health Career Quest

This project replaces the Mobile Science Laboratory initiative. In July 2011, the newly opened Physic and Imaging Laboratory, ICSC hosted fifteen students from various rural communities in Manitoba. Three undergraduate science student volunteers were recruited to help deliver simulating hands-on activities on the spread of disease, career exhibitions on health professions, literature search, and academic counselling for college preparation. This project was part of a twelve day Health Career Quest Summer Camp, a project in partnership with the University College of the North, Frontier School Division, and the University of Manitoba’s ACCESS Program, which provides opportunity for rural high school students to experience various hands-on activities and facility tours relating to the field of science and health careers. The BYP is still receiving requests from First Nations Schools to increase the number of the Health Career Quest workshops to accommodate more students and schools.

Friends of the Inner City Science Centre Bake Sale

On 25 November 2011, the BYP
hosted its inaugural Bake Sale Fund Raiser in Brodie Centre Atrium, Faculty of Medicine. Despite short notice a total of $2,000 was raised through the sale of a variety of baked goods, pins, and funds donated from the faculties/departments on the Bannatyne campus. Various individuals and organisations from the inner city were greatly involved in the planning of this fund-raiser and it will continue.

LEADING IN SCIENCE EDUCATIONAL INNOVATIONS

In order to expand and enhance its current programming, the BYP is expecting to move in 2013 into a newly renovated space to accommodate several on-going projects, which are emerging to be recognised as innovative in science education for K-12 pupils and their teachers:

**Mentoring Hubs**

The BYP is taking an international lead to respond to this challenge by providing all students, especially underserved students, with high quality science enrichment. After-school activities and coaching them for academic success. These activities and supervision will take place in Mentoring Hubs, which are rooms that will be developed with the latest in digital technology and audiovisual aids for teaching and learning.

**International Institutes of Learning and Leading in Science Education for K-12 Teachers**

The BYP recognises that teachers are vital to the success of our vision of diversifying the health professions, and consequently to address health inequities. Teachers significantly spend more time with their students and greatly influence their learning and success. The BYP will be focusing much of its activities on teachers and providing them with personal and professional development opportunities that have impact on student engagement and success. The BYP in partnership with Manitoba Education has been successful in piloting the Biotechnology Learning and Leading Institute. This Institute dramatically increased the number of teacher participants that have
engaged in workshops at the ICSC, from 4 in 2008 to forty three participants in 2011 (Figure 4).

![Figure 4. Attendance at Workshops of Manitoba Teachers at the ICSC](image)

The most direct route to children is a teacher. We have seen the success of the initial phase of the Institutes for teachers in taking the skills and tools learned back to their learning communities. A single workshop for fifteen teachers can reach over 300 students in a single year. The Institutes have started to attract national and international attention for its seminars and workshops. (Figure 5)

At the national level, the Western Associate Deans of Canadian Medical Schools visited the ICSC this fall to learn about the BYP projects, especially the Learning and Leading Institutes.

**Winnipeg School Division Science Fair at the Brodie Centre, Faculty of Medicine**

On 18-21 April this year, the BYP established a unique collaboration with the Winnipeg School Division to host its Annual Science Fair competition at the Faculty of Medicine, University of Manitoba, Bannatyne Campus. Pupils and parents connected to the Faculty of Medicine in a personal and scientific way and interacted with Faculty members and students. A joint decision by both the Faculty of Medicine and Winnipeg School Division will see the Science Fair held annually at the Faculty of Medicine for the foreseeable future.

**PARTNERSHIPS**

Over the past year, the Biomedical Youth Program has initiated contacts and collaborations that lead to sharing of resources and exposure to best practices in program delivery and community engagement at the local, national, and international level. To date the BYP have established partnerships and/ contacts with 68 institutions, organisations and, community groups, as listed on the next page.
Local Partners:

1. Faculty of Pharmacy, University of Manitoba
2. Winnipeg Regional Health Authority (WRHA).
3. ACCESS Program
4. Centre for Aboriginal Health Education (CAHE)
5. Cross Lake Community Education Authority
6. Assembly of Manitoba Chiefs (AMC)
8. Manitoba First Nations Education Resource Centre (MFNERC)
9. Architects-Without Borders
10. Children Raising
11. One goal, Niji Mahkwa School
12. Science Students’ Association of Manitoba
13. Children of the Earth School and PAN AM Clinic Medical Exploration Program
14. Swan River First Nations Community
15. Fish River First Nations Community
16. Skownan First Nations Community
17. Manitoba Métis Federation (MMF)
18. Ta Ka Pe Pimatisichik Iskwewak, Winnipeg
19. Manitoba Teachers Society (MTS)
20. Faculty of Education, University of Winnipeg (Dr. Don Metz)
21. MayBrook Day Care Centre
22. Bright Futures Program
23. NEEDS Inc
24. Art City, Winnipeg
25. Lets Talk Science Manitoba
27. Manitoba Education
28. MindSet, the Manitoba Network for Science and Technology
29. Sanofi Aventis Biotech
30. Winnipeg School Division
31. Community School Investigators (CSI)
32. The Manitoba Museum
33. Winnipeg Foundation
34. Science Teachers Association of Manitoba
35. Winnipeg Chamber of Commerce
36. Career Trek Inc.
37. Winnipeg Police Force
38. Genome Prairie
39. Aksyon Ng Ating Kabataan (ANAK) Filipino Inc.
40. Life Sciences Association of Manitoba
41. Science Teachers Association of Manitoba
42. Sierra Leone Refugee Inc.
43. Association of African Communities of Manitoba Inc. (AACOMI).
44. Immigrant and Refugee Community Organisation of Manitoba (IRCOM)
45. New Comers Employment and Education Development Services of Manitoba (NYESS)
46. St Amant River Road Place
47. Alliance for the Equality of Blind Canadians
48. Research Probe Inc. Winnipeg
49. Kiwanis Club, Winnipeg
50. Rotary Club International, Winnipeg
51. Addiction Foundation of Manitoba
Community as a Nexus for Change

In order to guarantee the financial independence of the BYP & ICSC, in 2011 a fund-raising organisation, known as Friends of the Inner-City Science Centre Inc. (FICSC Inc.), has been incorporated into the Manitoba Business Bureau as a non-profit corporation. A group of about 30 parents and other stakeholders in Winnipeg’s North End, who are responsible for raising funds for the ICSC to cover part of its operating expenditure, manage this corporation. The premise is that a group such as this will be able to raise approximately $50,000 a year towards the upkeep and growth of the Centre. To date, $25,000 has been raised. As this a community-based endeavour, this will ensure it remains self-sustaining, and serves as an advertisement for the Centre. Most importantly, by putting the growth and development of the Centre in the hands of the local community will give them a sense of pride and accomplishment in helping establish a Centre of excellence in their midst.

Awards and Honour

1. Dr. Francis Amara was the recipient of the Dr. and Mrs. Ralph Campbell Outreach award for his outstanding community involvement, while nine others were recognised for their
outreach activities as well as a special reception on Tuesday, 29 November 2011.


**WISH CLINIC**

The WISH Clinic provides non-judgemental, socially responsible, holistic health care to a population that struggles with poorer health than the rest of the city in the Point Douglas area of Winnipeg. Health care is provided by post-secondary students and licensed professional mentors from a broad range of disciplines that includes, but is not limited to, Dental Hygiene, Dentistry, Dietetics, Medical Rehabilitation, Medicine, Nursing, Pharmacy, Psychology, Social Work, and Spiritual Care.

**HIGHLIGHTS**

The administration of the WISH Clinic was moved to the Department of Community Health Sciences early in the year. A new Clinic Facilitator was hired and is working closely with the Wish Clinic Co-Chairs. The Sunday afternoon clinics are run out of Mount Carmel Clinic.

This year 540 volunteers filled shifts at 37 Sunday clinics. Each clinic allowed students to engage with patrons and patients under the care of experienced mentors in the fields of dental hygiene, medicine, nursing, occupational therapy, pharmacy, physical therapy, and psychology. Students from ten different University of Manitoba health professional Faculties and schools were able to engage patients in clinical settings, as well as in an informal social room where they provided hands-on demonstrations, display boards, handouts, quizzes, games, and other creative ways to share information with clients on different health issues.

The WISH experience is unique in Winnipeg and allows for students to truly engage in socially responsible and compassionate care in a vibrant, diverse neighbourhood with complex health needs. This year WISH was able to provide two large community outreach activities – a Family Fun Barbeque Day in the summer and a Community Holiday Party in the winter. These events allowed students to reach out to the entire Point Douglas Community, providing an engaging experience for families while letting them know of the unique services which WISH offers throughout the year. Over 850 community clients participated in these two events, and many of these clients come to WISH Clinic regularly.

*Student National Council of Clinics*

WISH is an active member of
the Student National Council of Clinics which is working diligently to develop relationships between student-inspired health clinics across Canada. Collectively, national goals and strategies to support continued innovation and development of student based clinics, to improve services and to build on the current model is being undertaken. Sparked by ongoing local and national research and evaluation, the collaboration continues to grow and develop. A meeting is planned for the 2nd to 3rd of June 2012 in Saskatoon.

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DEPARTMENTAL UNITS

There is one section and six units and centres within the Department of Community Health Sciences.

SECTION OF FIRST NATIONS, MÉTIS, AND INUIT HEALTH

The Section of First Nations, Métis, and Inuit Health is comprised of J. A. Hildes Northern Medical Unit (NMU), Centre for Aboriginal Health Education (CAHE), and Manitoba First Nations Centre for Aboriginal Health Research MFN CAHR).

One key activity of the Section this year included the hiring of many new leadership positions, including Dr. Marcia Anderson DeCoteau as the Section Head; Melanie MacKinnon as the Director of Programs and Administration; and Dr. Yvette Emerson as the Director of Community Based Primary Care Programs in the NMU. Continuing in their leadership positions are: Dr. Ken Hahlweg as Director of the Hospital-Based Programs for the NMU, Dr. Anne Durcan as Director of the Inuit Health Program, Dr. Michael Hart and Dr. Brenda Elias (term completed as of 31 December 2011) as co-directors of MFNCAHR, and Dr. Barry Lavallee as the Director of the Centre for Aboriginal Health Education.

An all-staff retreat was held at the Dr. Jessie Saulleaux Resource Centre as a key step in getting to know each other as the Section Team and furthering ideas about where the Section should be going. Monthly meetings of the Section leadership were instituted as a key part of beginning to work together as a Section rather than three individual parts. A First Nations, Métis, and Inuit Health Journal Club was initiated and held three times during the academic year. The Journal Club will continue on a bi-monthly basis and was well-received as a learning opportunity.

Activities that were begun this year and are continuing include:

- Finalising the Strategic Plan;
- Contributing to curriculum renewal and supporting CAHE as the lead unit;
- Participating in Department and Executive Council meetings;
- Participating in Associate Dean’s committees on First Nations, Métis and Inuit Health;
- Developing a community engagement plan and appropriate community
advisory structure for the Section;

- Negotiations of contracts with government funders and service providers;
- Adapting the Organisational Structure of the Section to fit the functions and identifying appropriate resources including human resources, financial, and space.

Community Engagement Activities:

- Presenting to the Health Technicians Network of the Assembly of Manitoba Chiefs;
- Sponsoring several ceremonial events where there was both Section and community participation;
- Ongoing deliberations about community engagement.

Knowledge Translation Activities:


Training/ Mentoring Activities:

The Section Head participated in many of the mentoring activities hosted by CAHE including lunchtime teachings and student pizza nights in order to interact with the students.

In March 2012 the Section hosted a week long series of two hour sessions called “Building Bridges” which included opportunities to participate in pow wow dancing lessons and work on several crafts including beading and hand-drum making. These sessions were held in the Brodie Atrium and open to all students, staff, and faculty. Participation was good from the students of CAHE but quite limited from the broader Bannatyne campus community. Further workshops will be held in the upcoming year with the goal of building bridges through learning together in a fun environment.
**J.A. Hildes Northern Medical Unit**

Since late 1969 the J.A. Hildes Northern Medical Unit (NMU) has been the principal provider of health care to many communities in northern Manitoba and eight Inuit Hamlets in Nunavut. The goal is to provide dependable high quality medical care, promote and facilitate research that responds to the needs and wishes of the communities served, develop and foster educational programs within the communities and at the Faculty of Medicine, and increase awareness of health concerns of indigenous people. Clinical services include family practice and medical specialities, expanded practice nursing, renal health, diabetes foot program, diabetes retinal screening program, medical social work, midwifery, human communication, and rehabilitation therapy. The support of the communities served, Manitoba Health, First Nations Inuit Health, and Health Canada is appreciated.

**HIGHLIGHTS**

2011, June  
**Dr. Bruce Martin Resigns**  
Bruce first worked with the NMU in 1991 and was later appointed Director in 1999. He embraced and was committed to Dr. Hildes’ original vision of clinical care, education, and research. His leadership was much admired for his dedication, progressiveness, sense of social justice, promotion & commitment to collaborative practice; as well as his humility and patience.

2011, June  
**Retinal Screening Nurses Train Local Technicians in Island Lake**  
This initiative allows the Retinal Screening Nurses to increase their visits to other communities as well as increasing the knowledge basis of local community members.

2011, 1 Sept  
**Jenni Morris Passes**  
Financial Administrator and long time NMU employee passed away after a lengthy illness.
2011, 1 Sept  
New Leadership
The Section of First Nations, Métis, & Inuit Health and the NMU welcomed three new administrators: Dr. Marcia Anderson-DeCouteau, Section Head; Melanie MacKinnon, Director of Programs & Administration (Section), and Dr. Yvette Emerson, as Associate Medical Director.

2011, 1 Sept  
1st Graduates from the Northern Stream Program now Serving as Doctors
Having completed their residency the first few Doctors to graduate from the Family Medicine Northern Remote Residency Program are now serving their two year return of service in various communities in the north.

2011, 13 Dec  
Endoscopy Program in Churchill
Margaret Percival, along with Brenda Thomas, Endoscopy Consultant Nurse, and Tony Buschell, Olympus Rep visited Churchill to assess and assist progress of start up Endoscopy Program. Met with Patti McEwen, Pat (Maintenance 7 Building Ops), MDR Worker, Julie Hetherington (Pt Care Co-ordinator). For accreditation purposes some work (renos) have to be completed in CSR & discussion held on where scope cleaning will be done. Discussing also re: pt care/flow equipment & consumables. Group will need at least one more pre-visit, before pts can be scoped.

2012, Jan  
Dr. Ian Whetter Appointed Chief of Staff of Norway House Hospital
In 2005 Ian was awarded the Jack Hildes Award (presented to a member of the University of Manitoba, Medicine graduating class who most exemplifies qualities of humanity, personal discipline, social responsibility, and good citizenship). Ian did his Residency at Newfoundland’s Memorial University in their Northern Family Medicine Residency Program. After residency he returned to Manitoba and the NMU.

2012, 30 Jan  
Norway House Hospital Re-Opens
In 2006 the Hospital officially stopped taking in-patients because of the challenges in keeping a full complement of physicians. Thanks to having a stable complement of physicians and the graduation of those in the Northern Stream Program the hospital re-opened the six-inpatient beds. A ceremony was held to not only re-open the hospital but also to celebrate the completion of the extensive renovations of the clinic and expanded services which will provide an on-site pharmacist,
midwifery role, telehealth, and minor treatments originally done at the hospital.

2012, 12 Apr  
Hodgson Area Renal Health Centre Opens  
The six bed Dialysis Unit, located on the west side of Percy E. Moore Hospital, will serve Peguis, Fisher River, Kinonjeoshtegon, and the RM of Fisher. The Unit will be run by the Interlake Regional Health Authority.

Community Outreach:

2011, June  
Kirsten Bourque, Diabetic Foot Nurse attended the North American Congress of Epidemiology in Montreal.

2011, August  
Kirsten Bourque, Diabetic Foot Nurse participated in a Health Fair held in Norway House during York Boat/Treaty Days.

2011, July  
Dr. Hanka Hulsbosch met with HIV Community Liaison Team and Chief in Garden Hill and agreed that HIV education is sorely lacking.

2011, July  
Dr. Ken Kasper met with Garden Hill Nursing Station Staff, Physicians, Public Health, & Health Care Facilitator. Discussed HIV strategy including the community’s interest in using rapid testing for HIV in the NS. Discussed other resources available to the community, how to refer to HIV Program, ongoing partnerships.

2011, 4 Oct  
Dr. Ken Kasper, accompanied by Tara Carnochan (Nine Circles, Health Promotion/Outreach Co-ordinator), met with Garden Hill Nursing Station Nurses, Paramedics, Physicians, Mental Health, and Public Health. Discussed HIV testing, how to diagnosis HIV, barriers to testing, point of care testing for HIV opportunities.

2011, 4 Nov  
University of Manitoba’s Discovery Days: the NMU donates our Frequent Flyer Points with Perimeter Airlines enabling sixteen to twenty Northern High School students attendance.
2012, 13 March  
Dr. Mike Moffatt met with Resource Teachers at Jack River School. Parents were invited but none attended; Topic: psychoactive medications in children.

2012, 15 March  
Robyn Gordon-Brown, Diabetic Foot Nurse gave a talk to fifteen diabetics attending a cooking session in Poplar River.

Throughout the year the family physicians and specialists hold inservices/teachings for the Nursing Station staff on a multitude of subjects.

**J.A. Hildes Northern Medical Unit - Inuit Health Program**

**HIGHLIGHTS**

The Inuit Health Program now primarily provides Rehabilitation Services and Consultant Services to the Kivalliq Region of Nunavut. Both Programs are now fully staffed and running well. Nurses in charge in different Health Centres have requested additional dates for both speciality services and rehabilitation services. We work with the Government of Nunavut in defining the services needed.

Two babies have come into the world: Molly (Monica Achtemichuk’s daughter) and Graham (Bonnie Tinker’s son). Welcome to them both!

Administrative meetings with
Nunavut partners took place on 28 June 2011 and 28 October 2011. The meetings included administrative leaders from Inuit Health, Director of Health Services Kivalliq Region, Director of Nursing Services, Kivalliq Region, Kivalliq Inuit Services.

There were biweekly licensing meetings with the Nunavut Registrar and licensing committee members which included Anne Durcan.

A contract negotiation meeting was held on 12 January 2012 with the Medical Director, Nunavut, Director of Operation, Section of First Nations, Métis and Inuit Health, Co-ordinator Inuit Health Program, Nurse Manager, KIS, Rehabilitation Co-ordinator, and Inuit Health.

EDUCATIONAL TELECONFERENCES

Telehealth Links with Kivalliq Health Centres (nurses and physician audience)
- H. pylori - Dr. Charles Bernstein
- The violent patient - Dr. Clarke Wilkie
- Gun Shot wounds - Dr. B.J. Hancock

SUMMER WORK PROGRAM

Students include the following undergraduates: Eyal Kraut, William Cumming, Cesar Daryl Rona, and Nadine Kaefer.

RURAL WEEK

Rural Week in May 2011 included the following undergrad med students: Bryan Kroeker, David Lussier, Yiyang Zhang, and Nathan Coleman an undergrad student.

VISITING CONSULTANTS

Audiology met with student support teacher/principal Coral Harbour; met with Principal and Student Support Teacher at Elementary School - Arviat. Psychiatry met with Territorial Mental Health Director, Regional Mental Health Supervisor Cambridge Bay; participated in community events during Pakallak time, meeting community members – Rankin Inlet. ENT had school visit with Principal to discuss children with hearing loss and strategies, ASL program and school support workers- Arviat; provided support and participation in Health Centre fundraising initiative for vitamin care – Arviat; and hosted supper for Health Centre Staff at Beach House – Arviat.

REHABILITATION SERVICES

Highlights

- Monthly teleconferences are held with Rankin staff, Physiotherapy Team Meetings approximately four times per year.
- Territorial Rehabilitation Meetings are held approximately four times per year
- Lorna Doubt and Pam Becker take part in Rehabilitation Advisory
Committee Meetings which began in March 2012 and take place every second month.

• Rehabilitation co-ordinators met with staff and reviewed their professional development and program planning.

• Rehabilitation Co-ordinator met with the Nurse Manager for Kivalliq to discuss the CTA issues.

• Meetings were held to discuss transition of Rehabilitation Services to Nunavut.

• Staff regularly attend professional development opportunities and share appropriate and relevant information with their colleagues in Rankin.

• Staff stop at schools on each visit and have participated in preschool screenings in some communities. Other activities are PT clinics held at the Health Centre in Rankin and presentations for the SST are regarding referrals to Therapy Services.

• Last year the Rehabilitation Co-ordinator met with staff and reviewed their professional development and program planning. They also participated in meetings to discuss transition.

• Amber Kowal was a PT student who travelled with Michael Wheeler, PT to all the Kivalliq communities from the 2nd - 30th of June 2012.

• This summer there will be one U of M OT student in Rankin.

STAFF, PROGRAM AREAS & WINNIPEG

Churchill
Michelle Brown and Allison Long

Hodgson
Jeanette Bouchard, Debbie Hart-Swanson, Geraldine Heinrichs, Darlene Thomas, Shelley Lynn Uruski, Ann Vandersteen, Sherry Asham, Amanda Asham, Jackie Cook, Ida Draper, Edna Gouvea, Shirley, Hiebert, Lorne Houston, Krystal Johnson, Melissa Mann, May Perez, Christopher Thomas, Alvin Thomas

Island Lake Regional Renal Health Program (Garden Hill, MB)

Island Lake
Melanie Beardy, Sally Day, Faith Flett, Julie Harper, Crystal Harper

Grand Rapids
Melinda Munroe

Nunavut
Lorna Doubt, Francine Mach, Jeannine Wheeler, Michael Wheeler, Pam Becker, Dianne Denoon, Ellana
Friesen, Carol Kehler, Candance Myers, Reta Holland, Meghan Prouse, Neelu Raisinghani, Marlaine Wilborn, Francine Mach (PT), Zachary Harris (OT) (resigned as of 3 July 2012), Mike Wheeler (PT), Jeannine Wheeler (SLP) and Lorna Doubt (OT)

Sanikiluaq
Candace Myers (SLP), Marlaine Willborn (SLP), Meghan Prouse (OT) and Carol Kehler (PT)

Winnipeg

Centre for Aboriginal Health Education

HIGHLIGHTS

- Indigenous Students support (academic, personal, and professional development); recruitment; and retention (mentorship)
- Cultural Supports and Activities by Elder in Residence
- Curriculum Development and teaching in undergrad and postgrad medicine and other Health Professional schools and faculties

KEY ACTIVITIES

- Collaborative events with ACCESS Programs four times a year
- Sweat Lodge Ceremonies to students and staff
- Monthly gatherings with Monica Achtemichuk, Pam Becker, Eileen Bouw, Kathy Cao, Mary Carey, Julie Creasey, Olga Cruces, Anne Durcan, Amy Dytnerski, Patricia Elphick, Yvette Emerson, Robyn Gordon-Brown, Ava Halpin, Ken Hahlweg, Michael Haldorson, Emily Hildebrand, Kathy Harlos, Stephanie Klus, Dwayne Koop, Joy Langrell, Liu LiYang, Mel MacKinnon, Mary Moss, Nasmin Nasir, Jean Parry, Ashley Pauls, Kathy Risk, Eunice Roulette, Wendy Smith, Sylvia Sunstrum, Lori Thiessen, Bonnie Tinker, Michelle Vandenbroeck, Kari Wonsnitza, Gail Yacucha, Ryan York, Casey Wong,
CAHE student body (Pizza Nights)

INVITED SPEAKERS & TEACHERS

- Docudramas for all professional health faculty and learners six times per year
- Elder teachings eight to ten times per year, open to Section except four or so for CAHE students only
- Traditional electives for senior medical students two per year lasting one month
- Teachings on Aboriginal Awareness
- Health Faculty Orientations: (Medicine, Pharmacy, Med Rehab, O.T., PA, IMG, and Nursing)
- Red River College work on cultural safety pre-IMG group
- This year is the first year that the students were taken on a field trip to Sakeeng to visit the reserve with Elder, Margaret Lavallee
- Academic half days, family medicine, pediatrics: Traditional Spirituality, Academic Writing, Palliative Care and Indigenous Health (Elder, Margaret Lavallee), Curriculum for Palliative Care for Physicians (Elder, Margaret Lavallee), Video tapes for teaching (Elder, Margaret Lavallee)
- Elder consultations with students and faculty
- Smudging ceremonies for U of M staff
- Teaching on First Nations Health Issues
- Midwifery Education Program
- Traditional history and beliefs of Aboriginal people with pregnancy and nursing
- CAHE Tours

COMMUNITY ENGAGEMENT ACTIVITIES

- Working with President’s office to develop a Medicine Garden and teaching sites at Bannatyne Campus
- Working with Horticulturist and Indigenous Youth from RB Russell School
- Working and supporting initiatives for Aboriginal children through Kookum’s group
- Teaching/Orientation for summer camp (Faculty of Medicine, U of M)
- Supported the FNMIH Research Symposium
- Participated in the Manitoba First Nations Conference (U of W) Kookum’s Panel
- Participated in the Palliative Care Working Group
- Put on Workshops four times per year on Aboriginal perspectives on palliative care
- Aboriginal traditional birthing practices
- Consultations with street involved children
- Participate in the WRHA Aboriginal Advisory Committee
Knowledge Translation Activities

- Sweat Lodge ceremonies for CAHE students/staff two times per year
- Monthly cultural teachings (September to May)
- Drum ceremony at White Coat Ceremony, Faculty of Medicine
- For the first time this year a drum ceremony and singers were at both Medicine’s 2012 Convocation and the Fort Garry Campus three day Convocation.
- Smudging ceremonies offered to faculty, incoming and graduating med students etc
- Participate in Aboriginal Day Annual Celebration for Bannatyne Campus
- Participate in Opening/

Closing Prayers

- Organise an Indigenous Health Lecture Series

TRAINING/MENTORING ACTIVITIES

- Monthly gatherings of student members
- One month traditional/medical elective
- Opportunities for First Nation community visits.
- Pre-professional Indigenous student mentorship

STAFF

- Dr. Barry Lavallee, Director
- Elder Margaret Lavallee, Aboriginal Cultural Specialist
- Amanda Penzick, Assistant

Manitoba First Nations Centre for Aboriginal Health Research

The Manitoba First Nations Centre for Aboriginal Health Research (MFN CAHR) is a joint initiative of the Assembly of Manitoba Chiefs, the Faculty of Medicine, and the Foundations for Health. The Centre is involved in a number of activities in indigenous health including: initiating, co-ordinating, and supporting research activities designed to assist First Nations, Métis, Inuit, and other Indigenous communities and organisations in their efforts to promote healing, wellness, and improved health services; integrating scientific and traditional indigenous approaches to producing new knowledge about health and health care; building research capacity of students and community-based researchers in indigenous health through the Manitoba NEAHR program (formerly the ACADRE program) is an important aspect of its work.

NEAHR

Provides support for Masters & PhD Students in the field of Aboriginal Health Research & Grant Funding for Projects in Aboriginal Health Research.
The NEAHR (Network Environments for Aboriginal Health Research) is a CIHR capacity building grant that partners with First Nations through the Assembly of Manitoba Chiefs and with Métis through the Manitoba Métis Federation. To date, the NEAHR has supported 83 students, one New Investigator in Aboriginal Health Award and four community grants.

**KNOWLEDGE TRANSLATION**

- Anderson DeCoteau M. Community report developed Summer 2011 for project: *Comprehensive Primary Health Care in the Island Lake Communities: what does it mean and how does it look?* Distributed in community, to community leadership and stakeholders, and to participants at Neewin meeting, March 2012.
- Anderson DeCoteau M. Community engagements: presentation of community report to Garden Hill First Nations. *Ongoing collaboration with Island Lake First Nations through Northern Medical Unit and Neewin.* Letters of support for HSIF projects provided to SERDC and Four Arrows Regional Health Authority in January 2012.
- Lavoie JG. *Towards a National Aboriginal Health Policy,* Fireside Chats, CHNET-WORKS, Virtual pan-Canadian presentation, University of Ottawa, 6 October 2011.
- One of the Manitoba NEAHR Program’s objectives is to support knowledge translation activities in the area of First Nations, Métis, and Inuit Health. Through the NEAHR’s community-based knowledge translation grants, the Manitoba NEAHR provided support towards the Indigenous Physicians Association National Mentorship
All NEAHR supported students participate in an annual student colloquium. The colloquium is not only an opportunity for students to gain experience in research presentations, it also serves as forum for students to seek advice and feedback from experienced researchers and representatives from community-based organisations. Summer research interns participate in four days of health research workshops that are delivered by members of the NEAHR investigator team. Topics include basic research skills such as CV writing, conducting literature reviews and accessing FN/M/I health data, as well as traditional perspectives on health and wellness and the social determinants of health as they relate to FN/M/I communities.

COMMUNITY ENGAGEMENT

- Elias, Brenda - Carib Council Health Research Team (Dominica-Canada Collaboration), October 2010 - Current.
- The Manitoba NEAHR has formal partnerships with both the Assembly of Manitoba Chiefs (AMC)
and the Manitoba Métis Federation (MMF), and the community-based research funding in the NEAHR project that supports First Nations and Métis health research and knowledge translation activities are under the direction of these organisations. Representatives of AMC and MMF are part of the NEAHR Co-Investigator team are also actively engaged in the Manitoba NEAHR Review Committee which is responsible for the selection of student and faculty research awards.

HIGHLIGHTS

Manitoba NEAHR Summer Internship in Aboriginal Health Research:

Project: Proteus Mirabilis and E-coli: Its association with rheumatoid factor in rheumatoid arthritis
Intern: Janet Yuen
Research Mentor: Hani El-Gabalawy, Department of Immunology, Faculty of Medicine, University of Manitoba

Project: Health care providers’ perceptions of First Nations family health needs
Intern: Sarah Lazar
Research Mentor: Donna Martin, Faculty of Nursing, University of Manitoba

Project: Northern gardening initiative
Intern: Kerry Spence
Research Mentor: Lyna Hart, Southeast Resource Development Council Corporation Health Services

Project: Treatment Responses of Aboriginals Infected with Chronic HCV: Baseline Viral Loads and Immunity
Intern: Jordyn Lerner
Research Mentor: Julia Rempel, Department of Immunology, Faculty of Medicine, University of Manitoba

Project: Fieldwork in Family Health with a First Nations Community: “Commercial tobacco is a killer - Traditional tobacco is sacred”
Intern: Ashleigh Young
Research Mentor: Donna Martin, Faculty of Nursing, University of Manitoba

Project: Comprehensive primary healthcare in the Island Lake communities: What does it mean and how does it look?
Intern: Carly Scramstad
Research Mentor: Marcia Anderson DeCoteau, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba

Project: Holistic Métis Research at the Manitoba Métis Federation
Intern: Loni Cheng
Research Mentor: Julianne Sanguins, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba/Manitoba Métis Federation

Project: Research Internship at First Nations and Inuit Health, Health Canada
Intern: Kayla Muskego
Research Mentors: Barry Lavallee, Margolis Schroeder & Margaret Fast, First Nations and Inuit Health, Health Canada

Project: Barriers to health careers for urban Winnipeg Indigenous youth
Intern: Liz Keeper
Research Mentor: Barry Lavallee, Centre for Aboriginal Health Education, Faculty of Medicine, University of Manitoba
Project: Cultural safety in Aboriginal health education
Intern: Maynan Robinson
Research Mentor: Barry Lavallee, Centre for Aboriginal Health Education, Faculty of Medicine, University of Manitoba

Project: A social ecological perspective of women, pregnancy and substance use
Intern: Lydia Worobec
Research Mentor: Rachel Eni, Department of Family Social Sciences, Faculty of Human Ecology, University of Manitoba

Project: Rematriating birth: Aboriginal midwifery in Manitoba First Nations communities
Intern: Raelene Foisy
Research Mentor: Rachel Eni, Department of Family Social Sciences, Faculty of Human Ecology, University of Manitoba

Project: A history of the Dynevor Hospital

Intern: Allyse Petaski
Research Mentor: Mary Jane McCallum
Department of History, University of Winnipeg

Project: Medical Services Branch History, 1945-2000
Intern: Catherine Mecas
Research Mentor: Mary Jane McCallum, Department of History, University of Winnipeg

Project: Assembly of Manitoba Chiefs – Manitoba First Nations Regional Health Survey
Intern: Jordan Scott
Research Mentor: Leona Star, Assembly of Manitoba Chiefs

Intern: Steven Hunter
Research Mentors: Ardell Cochrane, Kathi Avery Kinew & Amanda Meawasige, Assembly of Manitoba Chiefs
Chiefs

Project: Early childhood caries intervention study  
Intern: Elaine Halcrow  
Research Mentor: Jaime Mishibinijima, Department of Aboriginal and Northern Studies, Faculty of Arts & Science, University College of the North

Project: Working towards a Diabetes Education Centre  
Intern: Kendra Merasty  
Research Mentors: Judy Morach & Marie Jebb, Opaskwayak Health Authority

Project: Jordan’s Principle: Ensuring equitable access to government services for First Nations children  
Intern: Kimberly Hart  
Research Mentor: Rose McKay, Assembly of Manitoba Chiefs

Project: Determinants of oral health for First Nations children in Manitoba  
Intern: Shelley Halchuk  
Research Mentor: Robert Schroth, Preventative Dental Science, Faculty of Dentistry, University of Manitoba

Project: Fluoridation on First Nations communities  
Intern: Stephanie West  
Research Mentor: Khalida Hai-Santiago, Public Health, Manitoba Health

Project: Maestro Program and Next Generation Project for Type 2 diabetes in children  
Intern: Aleia Fiddler  
Research Mentors: Heather Dean & Elizabeth Sellers, Department of Pediatrics, Faculty of Medicine, University of Manitoba

Manitoba NEAHR Graduate Fellowships – PhD:  
Stephanie Sinclair

Manitoba NEAHR Graduate Fellowships – Masters:  
Katherine Peterson  
Environment and Geography, University of Manitoba  
Research focus: Collaborative Wildlife Mapping Project

Angeline Tuesday  
Family Social Sciences, University of Manitoba  
Research focus: The effects of lesbian partner violence in the Aboriginal community

Emily Skinner  
Environment and Geography, University of Manitoba  
Research focus: Urban Aboriginal youth and health inequities

Charlene Muzyka  
Community Health Sciences, University of Manitoba  
Research focus: Diabetes
Kimberly Hart  
Social Work, University of Manitoba  
Research focus: First Nations perspectives on mental health

Cheryl Sobie  
Environment and Geography, University of Manitoba  
Research focus: Health effects of food insecurity among urban Aboriginal women

Courtney Bell  
Medical Microbiology, University of Manitoba  
Research focus: Investigating host factors contributing to high rates of HIV and rapid disease progression in Manitoba’s Aboriginal population

Leanne Kosowan  
Family Social Sciences, University of Manitoba  
Research focus: Impact of the social determinants on Métis health

Manitoba NEAHR Community-based Research Grant: Urban Aboriginal, Inuit or International Indigenous Issues in Health:

Project: Development of a research program to utilize administrative data to study health status and health services among the Indigenous population of the Cauca region of Colombia  
Principal Investigators: Rangel Giovani Yulé Zape (Asociación Indígena del Cauca) and Javier Mignone (Family Social Sciences, University of Manitoba)

Principal Investigators: Sheila Carter (Manitoba Métis Federation) and Judith Bartlett (Community Health Sciences, University of Manitoba)

CURRENT FACULTY & STAFF

- Dr. Brenda Elias (Until 31 December 2011), Dr. Michael Hart – Co-Directors  
- Dr. Marcia Anderson DeCoteau - Faculty  
- Dr. Catherine Cook - Faculty  
- Dr. Josée Lavoie – Faculty  
- Dr. Joseph Kaufert – Affiliated Faculty  
- Madelyn Hall – Research Associate  
- Linda Diffey – Research Associate  
- Dr. Sharon Mah – Research Associate  
- Say Hong – Data Analyst  
- Dawn Stewart – Financial Administrator  
- Henry Dik – Info Technologist  
- Chantal Edwards - Receptionist/Financial Assistant  
- Bonnie Sheppard Lewis-Transcriptionist  
- Student Research Assistants – Paula Broeders, Lindsay Bristow
Many factors affect health such as health care, health programs and policies, income, education, employment, and social circumstances. At MCHP, researchers sort 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 Population Health Research Repository (Repository) – a comprehensive anonymised 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 then use the information within the Repository to publish reports based on these findings. These reports can be found at the MCHP website at: http://mchp-appserv.cpe.umanitoba.ca/deliverablesList.html.

HIGHLIGHTS

Dr. Noralou Roos was inducted into the Canadian Academy of Health Sciences (CAHS). 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.

Dr. Mariette Chartier is leading a project supported 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 Strategy 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 is a collaboration between Healthy Child Manitoba, the Winnipeg Regional Health Authority, and the University of Manitoba focusing on positive mental health. It uses simple and practical activities and links families to community and health resources.

MCHP’s director, Dr. Patricia Martens is leading a new project, “PATHS Equity for Children: A Program of Research into What Works to Reduce the gaps for Manitoba’s Children.” The project includes a team of sixteen 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.

The Manitoba node of the national project, “Canadian Network for Observational Drug Effect Studies (CNODES) through its Drug Safety and Effectiveness Network (DSEN) Initiative” is being led by Dr. Patricia Martens of MCHP and Dr. Patricia Caetano, Manager-Analysis Interpretation and Research at Manitoba Health. The collaboration also involves researchers from the Faculty of Pharmacy 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.

MCHP RESEARCH IMPACT: YOUTH IN CARE

In March 2012 the University of Winnipeg announced its Youth In Care Tuition Waiver Program. Split between the University of Winnipeg and the Province, the program funds ten students per year – paying for tuition, books, and living expenses. The program is partially based on evidence from research in at risk youth, led primarily by Drs. Marni Brownell, Noralou Roos.

KEY ACTIVITIES

Published Deliverables (Reports)


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 is to include the analysis of provincial trends of obesity and related chronic diseases over a ten 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
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 1 April 2000 to 31 March 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 hospitalisation 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 Approved for the 2011/12 Fiscal Year

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

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
- hospitalisations
- outcomes of select PIN indicators (e.g. diabetes)

Understanding the Determinants of Emergency Department Volumes

Emergency department (ED) volumes are a prominent health care delivery issue both locally and nationally, 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.

Long-term Outcomes of Manitoba’s Stop FASD Program

Identified as an evaluation priority by the Government of Manitoba’s Fetal Alcohol Spectrum Disorder (FFASD) 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 will focus on the long-term health, social and learning outcomes of Stop FASD participants and their children over the past ten 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.

Who is in our Hospitals

This deliverable will 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.

Assessment of Personal Care Home Bed Projections

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).

KNOWLEDGE TRANSLATION ACTIVITIES

The Need to Know Team

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 6-7 June 2011, 24-25 October 2011, and 30-31 January 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. 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.

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 fulfill 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 21 April 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 Métis Health Status and Healthcare Utilisation in Manitoba – a massive research project exploring the health of the Métis 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

The Winnipeg Regional Health Authority and MCHP held another knowledge translation workshop on 15 June 2011 at the Radisson Hotel in Winnipeg. The keynote presentation by MCHP’s Director, Dr. Patricia Martens was on the report she led: Health Inequities in Manitoba: Is the Socioeconomic Gap Widening or Narrowing Over Time? 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 Métis Health Status and Healthcare Utilization in Manitoba.

MCHP RURAL & NORTHERN HEALTHCARE WORKSHOP

The 18th Annual MCHP Rural & Northern Healthcare Workshop was held on 25 October 2011 at the Marlborough Hotel. Nearly 200 participants attended the day’s events, including representatives from all ten regional health authorities.
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. Media appearances include 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.

STAFF

Executive
- Patricia Martens, Director, Professor, Senior Research Scientist
- Alan Katz, Associate Director, Research, Professor, Senior Research Scientist
- Mark Smith, Associate Director, Repository
- Charles Burchill, Associate Director, Data Access & Use
- John Dziadek, Associate Director, Administration
- Carole Ouelette, Executive Assistant

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- Greg Finlayson, Research Scientist
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- Leslie Roos, Founding Director, Senior Research Scientist
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- Wendy Guenette, Research Support
- Shannon Lussier, Research Support
- Leanne Rajotte, Research Support
CENTRE FOR GLOBAL PUBLIC HEALTH

The Centre for Global Public Health (CGPH) was established in the Department of Community Health Sciences June, 2008, in collaboration with the Department of Medical Microbiology.

CGPH enhances the contribution of the University of Manitoba to the improvement of public health systems, programs, and activities in diverse global settings. A cornerstone of CGPH is the design and implementation of international health and development projects in several countries including India, China, Kenya, and Pakistan; primarily in the areas of HIV and STI prevention.

Through education and knowledge translation, CGPH is committed to creating an exceptional environment for training and mentoring graduate students, fellows and trainees, as well as providing opportunities to participate in international and development, and research projects. CGPH promotes the translation of knowledge gained in global public health research and projects for application in international and domestic public health settings. Through a proactive technical assistance program CGPH faculty and students provide capacity building and technical expertise to academic, governmental and non-governmental organisations in global public health programs. CGPH also facilitates the development of key public health knowledge networks with experts from around the globe. The Centre’s other main area of focus is conducting and supporting applied public health research. This is achieved through a public health data laboratory located in the Centre for Global Public Health. The data laboratory provides a secure environment for the analysis of public health data sets from around the world, and for the development and testing of new and innovative methods of public health research and surveillance.

HIGHLIGHTS

During the past year, the Centre for Global Public Health (CGPH) has continued to work on existing research and program development projects with excellent results. We have also been awarded several new projects which will expand and complement our existing work. As well, the year has been one of change and development into other areas, which has brought with it an opportunity for growth and learning and faculty and staff.

The Centre for Global Public Health continues to work on several significant projects in India, China, Pakistan, and Kenya, through grants received from diverse funders. We have also been very successful in securing additional projects which will extend through to 2012, 2013,
and 2014. These new projects include work in the areas of HIV prevention in India, empowering vulnerable adolescent girls to improve access to education, and dissemination of approaches and learnings from HIV prevention interventions in India.

KEY ACTIVITIES

The Centre was also successful in an application submitted to the Canadian International Development Agency, as part of the Muskoka initiative. In this project, we have partnered with the Canadian Food Grains Bank and two of their organisational partners in Kenya, the Christian Reformed World Relief Committee (CRWRC) and Pwani Christian Community Services, to deliver the project “Meeting critical health care and nutritional needs to improve maternal neonatal and child health in vulnerable African populations”.

This project is unique in that we will be partnering with three NGO's to deliver the program designed to mobilise and educate community members and improve the quality and co-ordination of health and nutritional services. The project is also designed to build the capacity of local community link workers, which will fill a gap in the current health and development arena, and will design methods and tools to build capacity among development workers. As well, the project will develop locally appropriate nutritional packages to improve maternal neonatal and child health, and work with communities to design sustainable ways of ensuring nutritional needs are met.

In the area of Program Science, two new projects have been secured. The project “Global HIV prevention program science technical support and knowledge management”, funded by The World Bank, will see the Centre for Global Public Health work towards learning site strengthening and implementation for most at risk populations in India, Pakistan, Kenya, Nigeria, and Philippines.

As well, CGPH will undertake a national HIV epidemic appraisal to estimate the sizes of sex work populations in Kenya, improving micro planning of sex work programs in hotspot areas.

Another project, funded by the Bill & Melinda Gates Foundation, is entitled “Enhancing the impact of HIV prevention programs for the most at risk populations in Kenya”. The project will establish a national
Technical Support Unit within the Kenyan National AIDS and STD Control Program (NASCOP) to develop technical strategies and guidelines, and build capacity and provide implementation support for the scaling up of HIV prevention programs for most at risk populations in Kenya. The project will continue until May 2014.

Building on the work initiated last year, the Centre continues to provide leadership for the establishment of a global Program Science Consortium, mobilising leading policy makers from key international organisations, academic institutions and program leaders from several countries. A core Program Science group meeting was held in Washington in January 2012, where plans for moving the Consortium forward were discussed, and next steps outlined.

In July 2012, the World Bank’s Global HIV Program is hosting a major Program Science meeting in conjunction with the International AIDS Conference in Washington, DC. The Centre is developing and co-ordinating the agenda for that meeting.

**KNOWLEDGE TRANSLATION ACTIVITIES**

As part of the program science initiative, a workshop was held in conjunction with the International AIDS Society Annual Meeting in Rome, Italy. The event was co-hosted by Dr. James Blanchard, Director Centre for Global Public Health, and Dr. Sevgi Aral of the Centres for Disease Control. The workshop entitled “Enhancing Implementation Science: Program Planning, Scale-Up and Evaluation” was held on 16 July 2011, with speakers from The World Bank, John Hopkins University, The London School of Hygiene and Tropical Medicine, and the South African Centre for Epidemiological Modeling and Analysis. These program science initiatives have resulted in a seminal publication entitled “Program Science: An initiative to improve the planning, implementation and evaluation of HIV/sexually transmitted infection prevention programmes”.

**TRAINING/MENTORING ACTIVITIES**

In discussion with our partners in Kenya, including the University of Nairobi, Christian Reformed World Relief Committee, and Pwani Christian Community Services, the CGPH submitted a successful proposal to the Students for Development Program, to support a trans-disciplinary program of development internships for Canadian and Kenyan students, focusing on increasing food security and securing the future of children and youth.

By partnering with both academic and community-based organisations in Kenya, this CGPH program will allow students to learn and apply broad perspectives and frameworks, such as program science, in a trans-disciplinary context to complex development issues including health, nutrition, food security, and equity.

Fifteen University of Manitoba students, and two University of Nairobi students will take part in this initiative. Another component will provide opportunities for Canadian and Kenya students to interact through plenary sessions and a degree course.
COMMUNITY ENGAGEMENT ACTIVITIES

The Centre was pleased to serve as Academic Host for the 2010 Public Health Gairdner Foundation laureate, Dr. Nicholas White. As part of Dr. White’s visit, the Centre partnered with the University of Winnipeg’s Global College, to present a lecture to the University of Winnipeg Collegiate students, which was very well received by the students and faculty at the Collegiate.

A public lecture was also presented by Dr. White, focusing on malaria. Finally, a group discussion was organised with the International Students Training Program, which gave the students a chance to interact with Dr. White, drawing on his extensive expertise working internationally.

FACULTY & STAFF

- Dr. James Blanchard, Director
- Dr. Stephen Moses, Associate Director

FACULTY

- Dr. Lisa Avery
- Dr. Marissa Becker
- Dr. Shiva Halli
- Dr. Robert Lorway
- Dr. Nancy Yu

RESEARCH ASSOCIATES

- Mr. Souradet Shaw
- Ms. Laura Thompson
- Dr. Deepa Sankaran

STAFF

- Ms. Doris Kuzma, Senior Project Manager
- Ms. Carol Sigurdson,
- Administrative Assistant
  - Ms. Lynn Gauthier, Office Assistant
  - Ms. Stella Leung, Programmer/Analyst
  - Ms. Yichun Wei, Programmer/Analyst
  - Mr. Henry Dik, Information Technologist

BIOSTATISTICAL CONSULTING UNIT

The Biostatistical Consulting Unit (BCU) serves as a resource of statistical expertise for researchers and students conducting research both within and external to the University of Manitoba. The BCU renders assistance at every stage of the research process, from planning a study, through collecting data and statistical analysis, to interpretation of results. The BCU promotes two types of activities: collaboration and services. In addition, BCU offers non-credit courses on use of statistical computer software such as SAS.

KEY ACTIVITIES

- Provided consulting service for 60 clients over 70 projects, with charged service hours ranging from 1 to 50 hours per project. We generate total revenue over $80000.
- In addition to the fee-for-service consulting, the BCU provided more than 35 students and faculty members with free consulting services every year.
- Deliver workshops on introductory and advanced Biostatistics to the Faculty
of Dentistry, Hip and Knee Institute at Concordia Hospital to highlight the use of the BCU services.

• Offer non-credit courses on use of statistical computer software SAS.
• Continuing an agreement with the Faculty of Nursing and MFN Center for Aboriginal Health Research for long term/on-going consulting services.
• Reached an agreement with the Faculty of Kinesiology and Recreation Management on case by case consulting services to be paid by Faculty.
• Reached an agreement with the Department of Psychology on case by case consulting services with the costs shared by the department and clients.
• Conducted survey of clients about the use of BCU service.

STAFF

• Dr. Depeng Jiang, Director
• Mr. Brenden Dufault, Statistical Consultant

MANITOBA FOLLOW-UP STUDY (MFUS)

Now in its sixty-fourth year, the Manitoba Follow-up Study (MFUS) is one of the world’s longest running prospective longitudinal health studies. A cohort of 3,983 healthy young men have participated since 1948 (mean age 30 years) with routine medical examinations and mail-based surveys. MFUS has been housed and operating continuously at the University of Manitoba medical school. Beyond its original objective of investigating the prognostic significance of electrocardiographic abnormalities in otherwise healthy individuals, in recent years MFUS has broadened its research focus to examine current issues in gerontology including the dynamic process of successful aging, nutritional risk among the elderly, and primary/secondary control of aging individuals.

CURRENT STATUS

Key activities for 2011/2012 include research on the relationship between survival to age 85 and disease conditions experienced during earlier life; changes in nutritional risk among older men; predictors of primary/secondary control in the elderly; and prospective examination of response shift among stroke survivors. Also, the potential and feasibility for including family members in future surveys investigating the aging process was assessed.

Follow-up with the study members continues, consisting of, at minimum, twice-annual contact to monitor vital status and collect medical and survey data. Further, we contact
study members, their physicians, and hospitals to obtain details of health events. We contact next of kin and medical professionals to obtain information concerning cause of death of deceased study members. At the beginning of this reporting period, 612 men were alive. Between April 2011 and March 2012, we were in contact with 419 (69%), 81 men died (13%) and the other 112 (18%) did not respond to any correspondence from MFUS. By 31 March 2012, 3,452 men have a documented date of death. The remaining 531 members are now on the average 91 years of age, with most (91%) living in Canada. As anticipated with aging and increasing mortality rates, there has been a dramatic decline in the cohort size and health status of the remaining study members in recent years. Half of the MFUS members alive in March 2006 have died.

**KEY ACTIVITIES**

Funding for this period came from the carry-over year of a two-year grant funded jointly by CIHR and MHRC through the Regional Partnership Program entitled “Successful Aging of Older Canadian Males: The Manitoba Follow-up Study” (funding began April 2009, two years, $344,666). Principal Investigator: Robert B. Tate; Co-investigators: V. Menec, B. Payne and D. Pedlar.

Our Spring Newsletter (#18) was mailed in June 2011 to 518 study members, as well as to interested family and friends of numerous deceased members. The annual Successful Aging Questionnaire (SAQ) was sent at the same time to 466 of those study members willing to receive our long-form questionnaire. To date, 405 surveys (87%) have been returned, including returns from families of members recently deceased or moved. This is the eleventh SAQ administered to the cohort.

Our Fall Newsletter (#19) was mailed in November 2011 to 483 members and other interested individuals. The Annual Contact Questionnaire (ACQ) was also sent at this time to 479 of
those study members willing to receive this short-form questionnaire. To date, 338 surveys (71%) have been returned, including returns indicating members had recently died or moved. The ACQ was designed and first used in 1979 and has been sent annually since then. Its purpose is to monitor vital status, maintain an accurate address registry, and ascertain physician and hospital contact over the past year.

STAFF

- Robert B. Tate, PhD, Director of MFUS and an Associate Professor in the Department of Community Health Sciences, Faculty of Medicine. Dr Tate was promoted to the rank of Professor effective 30 March 2012.
- Audrey Swift, PhD, Post-Doctoral Fellow with MFUS since February 2011. She is primarily involved with writing articles and coding questionnaires. Dr Swift received a two-year CIHR / MHRC post doctoral fellowship award for the period July 2011 through to July 2013.
- Madge Biddell, 0.6 EFT, is the office administrator and oversees member and medical contacts. Dennis Bayomi, MSc, 0.8 EFT, is a research analyst and oversees MFUS data management.
- Victoria Kubas, BSc is a casual office assistant.
- T. Edward Cuddy, MD is “Director Emeritus” of MFUS and spends on average 2 days per month in the office in an advisory capacity for the study.
- Christina Lengyel, PhD is an Assistant Professor in the Department of Human Nutritional Sciences, Faculty of Human Ecology and spends one day per week on studying nutrition in elderly males.

GRADUATE & UNDERGRADUATE STUDENTS

- Ainslie Hinds is a PhD student (Community Health Sciences) who works with MFUS part-time, assisting with writing letters to MFUS members and with qualitative coding of Successful Aging Questionnaires.
- Stephanie Caligiuri is an MSc student (Human Nutritional Sciences) who has been working with MFUS writing a research article based on her senior undergraduate thesis and assisting with qualitative coding of questionnaires.
- Dr Swift supervised the activity of six undergraduate students (Victoria Kubas, Ines Mamula, Lindsay Feuerstein, Aminder Singh, Saba Naghipur and Michael Fehr) who worked during Summer 2011 coding MFUS members’ narrative definitions of successful aging. Ms. Kubas and Ms. Mamula have continued at MFUS pre-coding/coding newly-received questionnaires and performing other research-related tasks such as participant tracking.
## FULL TIME FACULTY & RESEARCH INTERESTS

<table>
<thead>
<tr>
<th>Name</th>
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<th>Research Interests</th>
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</thead>
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<td>Research Interests</td>
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<td>Name</td>
<td>Position</td>
<td>E-Mail</td>
<td>Research Interests</td>
</tr>
<tr>
<td>-----------------------------</td>
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<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Joseph M. Kaufert, BA (Minnesota), MA, PhD (Northwestern)</td>
<td>Professor</td>
<td><a href="mailto:kaufertj@ms.umanitoba.ca">kaufertj@ms.umanitoba.ca</a></td>
<td>Medical anthropology and medical sociology; aboriginal health; disability; qualitative research methods; research ethics; critical theory and health communication</td>
</tr>
<tr>
<td>Joel D. Kettner, MD (Manitoba), FRCSC, MSc (London), FRCPC</td>
<td>Assistant Professor</td>
<td><a href="mailto:kettner@cc.umanitoba.ca">kettner@cc.umanitoba.ca</a></td>
<td>Public health practice; medical education; community health status assessment; clinical epidemiology; population health determinants</td>
</tr>
<tr>
<td>Robert Lorway, BA (Hons.) (St. Mary’s), MA (Dalhousie), PhD (Toronto)</td>
<td>Assistant Professor</td>
<td><a href="mailto:lorway@cc.umanitoba.ca">lorway@cc.umanitoba.ca</a></td>
<td>Medical anthropology; gender and sexuality studies; cultural aspects of HIV and AIDS; critical public health theory; community-based research</td>
</tr>
<tr>
<td>Sharon M. Macdonald, BSc (Med) (Manitoba), FRCP C</td>
<td>Associate Professor</td>
<td><a href="mailto:smacdonal@cc.umanitoba.ca">smacdonal@cc.umanitoba.ca</a></td>
<td>Head, Department of Community Health Sciences</td>
</tr>
<tr>
<td>Salaheddin Mahmud, MD (Libya), MSc (London-UK), PhD (Manitoba), CCFP, FRCP</td>
<td>Assistant Professor</td>
<td><a href="mailto:salah_mahmud@umanitoba.ca">salah_mahmud@umanitoba.ca</a></td>
<td>Cancer epidemiology, pharmacoepidemiology; pharmaco-vigilance including vaccine effectiveness and safety; public health surveillance; measurement errors in epidemiologic studies</td>
</tr>
<tr>
<td>Patricia Martens, BSc (Chemistry), Cert.Ed. (Secondary), MSc (Community Health Sciences, MB), IBCLC, IBLCE, PhD (Community Health Sciences, MB)</td>
<td>Professor, Director Manitoba Centre for Health Policy</td>
<td>Pat_Martens@cpe. umanitoba.ca</td>
<td>Health services research; epidemiology; rural and northern health; population health; knowledge transfer; program evaluation; child health; lactation; first nations</td>
</tr>
<tr>
<td>Verena Menec, BA, MA, PhD (Manitoba)</td>
<td>Professor, Director Centre on Aging</td>
<td><a href="mailto:menec@cc.umanitoba.ca">menec@cc.umanitoba.ca</a></td>
<td>Health and aging; health services research; survey research; health psychology</td>
</tr>
<tr>
<td>Michael E.K. Moffatt</td>
<td>Professor</td>
<td><a href="mailto:mmoffatt@wrha.mb.ca">mmoffatt@wrha.mb.ca</a></td>
<td>Health services research in the broadest sense of the word including improving outcomes, quality and health status with particular emphasis on disadvantaged populations. Specific areas include early childhood dental caries and childhood obesity</td>
</tr>
</tbody>
</table>
**Name** | **Position** | **E-Mail** | **Research Interests**  
--- | --- | --- | ---  
Pierre Plourde, MD (Ottawa), FRCPC | Associate Professor | pplourde@wrha.mb.ca | Infectious disease epidemiology; international health; travel medicine  
Robert B. Tate BSc (Winnipeg), MSC, PhD (Manitoba) | Professor, Director Graduate Program, Director Manitoba Follow-Up Study | tate@ms.umanitoba.ca | Director, Manitoba Follow-Up Study  
Mahmoud Torabi, BSc, MSc (National University of Iran), PhD (Carleton) | Assistant Professor | torabi@cc.umanitoba.ca | Biostatistics; cluster detection; longitudinal data analysis; small area estimation; spatial statistics

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**PUBLICATIONS**

**BOOKS AND CHAPTERS IN BOOKS**


**PEER REVIEWED**


Research, 45, 814-822.


Bernstein CN, Longobardi T, Finlayson G, Blanchard JF. Direct medical cost of managing IBD patients: A Canadian
population-based study. Inflamm Bowel Dis 2011 Nov 22 [Epub ahead of print].


Bolten SL, Elias B, Enns MW, Beals J, Sareen J, Swampy Cree Suicide Prevention Team, AI-SUPERPFP Team, A Comparison of the prevalence and risk factors of suicidal ideation and suicide attempts in American Indian and general population samples, Transcultural Psychiatry (Epub ahead of print, May 2011)


Bruce SG, Riediger ND, Menec V, Roulette J, Daniel M. Biomarkers for
Diabetes are Associated with Culturally Relevant Stress Measures in a Canadian First Nations Population. Diabetes 2011 60 (Suppl 1).


Caligiuri S, Lengyel C, Tate R. Changes in food group consumption and associations with self-rated diet, health, life satisfaction, and mental and physical functioning over 5 years in very old Canadian men: The Manitoba Follow-up Study. Accepted by *The Journal of Nutrition, Health & Aging.*


Martens PJ, Bartlett JG, Prior HJ, Sanguins J, Burchill C, Burland E, Carter...


Saggurti N, Verma RK, Halli SS, Swain SN, Singh R, Modugu HR, Ramarao S, Mahapatra B, Jain AK. Motivations for entry into sex work and HIV risk


Tate RB, Michaels L, Cuddy TE, Bayomi DJ. Clinical diagnoses before age 75 and men's survival to their 85th birthday. The Manitoba Follow-up Study. Accepted by The Gerontologist.


REPORTS


Elias B, Hall M. The health of Manitoba Tribal Nations, Manitoba First Nations Centre for Aboriginal Health Research, (CHIR Funding HOA 80062), Winnipeg, Manitoba, Canada, May 2011

Macdonald SM, Clare K, Ready AE. UM Connecting to Kids: A Project about Working within Our Community, Building the University’s Commitment to Helping Children Reach their Full Potential. Report to the President and Vice-Chancellor Dr. David Barnard and Dr. Joanne Keselman, Vice-President (Academic) and Provost, October 2011.


Menec VH, Ursel EJ, Bell SD. Manitoba’s Elder Abuse Services: Stakeholder Perceptions of Strengths and Weakness. Winnipeg: Centre on Aging, University of Manitoba, 2011.


Spina J, Menec VH. Age-Friendly Communities: Good for Older Adults, Good for Economic Sustainability? Winnipeg: Centre on Aging, University of Manitoba, 2012


Presentations and invite presentations

Afifi, T.O. Physical Punishment and Mental Disorders: Results from a Nationally Representative United States Sample. Department of Family Social Sciences, Graduate Seminar Series. University of Manitoba, November 18, 2011.

Afifi, T.O. A Program of Research in Family Violence. The Department of Psychology Colloquium for Graduate Students, University of Manitoba, February 3, 2012.

Afifi, T.O. An Academic Career. 40th Annual Family Social Sciences Symposium, Department of Family Social Sciences, University of Manitoba, April 8th, 2011.


Afifi, T.O., Henriksen, C., Asmundson, G.J.G., & Sareen, J. Intimate Partner Violence and Substance Use. Research Colloquium Series, Department of Community Health Sciences, Faculty of Medicine, University of Manitoba, April 15, 2011.


Amara, Francis. Council of Ministers of Education in Canada (CMEC) - Aboriginal Forum at the University of Winnipeg on 3 Dec 2011.


Andrea DeCoteau M - Plenary presentation: “Ethics and Equity in Health Policy” at the Annual Scientific Assembly of the Manitoba College of Family Physicians, Winnipeg, Canada. April 20, 2012.


Attawar, D. Kaufert, J., Kaufert, P. “

Barclay-Goddard, R and Tate R. Response shift was identified after stroke and in healthy aging in the Manitoba Follow-up Study. Oral presentation at the International Society for Quality of Life Research (ISOQOL) 18th Annual Conference, Denver, Colorado, USA, October 26-29, 2011.


Bell S, Menec VH. Does the imperative of independence play a role in social exclusion of older adults? Exploring older adult’s perceptions through photovoice methodology. Canadian Association on Gerontology, Ottawa, October, 2011.


Caligiuri S, Lengyel CO, Tate RB. A positive light on aging in Canada: Changes in food group consumption and associations with self-rated diet, self-rated health, life satisfaction, and mental and physical functioning over five years in very old Canadian men: The Manitoba Follow-Up Study. International Academy on Nutrition and Aging 2011, Bologna, Italy, April 14, 2011 (Oral Presentation)

Caligiuri S, Lengyel CO, Tate RB. A positive light on aging in Canada: Changes in diet, health, and life
satisfaction over 5 years in very old Canadian men: The Manitoba Follow-up Study. (Poster presentation)

Cook, C - 11th Canadian Conference on Collaborative Mental Health Care Winnipeg, Manitoba: The Culture of Well-Being: promoting mental health among Aboriginal people through cultural competence.


Elias, B., Linking data to inform a First Nations cancer care and control strategy - Outcomes, CancerCare Manitoba First Nations, Métis and Inuit Advisory Committee, CancerCare Manitoba, September 16, 2011, Winnipeg, Manitoba (Invited)

Elais B, Hall M, Hong S, Diabetes prevalence of First Nations living in Manitoba: A small area report, University of Manitoba, Faculty of Medicine, First Nations, Métis and Inuit Health Research Symposium, December 1-2, 2011, Winnipeg, Manitoba, Canada
Elias B. It’s more than just statistical power! Point eight zero versus First Nation power in rheumatoid arthritis research, Society of Applied Anthropology, 71st Annual Meeting, March 29-April 2, 2011, Seattle, Washington, USA.


Elias B. A health profile of First Nations in Manitoba: Series 1: Mortality, Government of Canada, Department of Aboriginal and Northern Affairs Canada, June 17, 2011

Elias B. Diabetes and First Nations living in Manitoba: A social injustice, Manitoba First Nations Diabetes Committee, November 22, 2011, Winnipeg, Manitoba, Canada (Invited)

Elias B. Diabetes prevalence and First Nations living in Manitoba, National First Nations Working Group Meeting, November 15, 2011, Vancouver, British Columbia, Canada (Invited)


Elias B, Hall M, Hong S, Suicide and Manitoba First Nation population A population approach, University of Manitoba, Faculty of Medicine, First Nations, Métis and Inuit Health Research Symposium, December 1-2, 2011, Winnipeg, Manitoba, Canada

Elias B, It’s more than just statistical power! Point eight zero versus First Nation power in rheumatoid arthritis research, Society of Applied Anthropology, 71st Annual Meeting, March 29-April 2, 2011, Seattle, Washington, USA


Elias B, Kliewer E, Turner, D, Hall M, Demers, Hart L, Avery Kinew K, Sagan M, Martens P, Building linkages to understand the burden of cancer for First Nations in Manitoba, University of Manitoba, Faculty of Medicine, First Nations, Métis and Inuit Health Research Symposium, December 1-2,
2011, Winnipeg, Manitoba, Canada

Elias B, Lessons from the field, National FASD Prevalence Meeting, October 13, 2011, Winnipeg, Manitoba (Invited)


Elias B, Progress on the CIHR First Nation Cancer Team Study, NewSouth Wales Cancer Council, March 6, 2012, Sydney, Australia


Elias B, Risk assessment, incidence mapping and concerns of biological determinism, University of Manitoba, Faculty of Medicine, Translation Research Symposium, November 21, 2011, Winnipeg, Manitoba, Canada (Invited)


Elias B, Suicide and the Manitoba First Nation Population - A population approach, National Aboriginal Mental Health Research Summer Institute and Annual Conference, August 19, 2011, Montreal, Quebec


Elliott, L, Flin Flon City Council, April 2011, “Community Drinking Water Fluoridation, the Public Health Perspective”

Elliott, L, NOR-MAN RHA Nurses


Hart, M. A. Living our stories, or, Indigenous ways of being, prevention, and FASD. Presentation at the Portage La Prairie Friendship’s Centre FASD Conference, Portage La Prairie, MB. Invited. (November, 2011).


Hart, M. A. Truth and reconciliation?: Indigenist reflections on mental health services in the aftermath of the residential school era. The Dr. Clare C. Brant Memorial Lecture in Indigenous Mental Health. University of Manitoba, Faculty of Medicine’s 2012 Lecture Series in First Nations, Métis, and Inuit Health, Winnipeg, MB. Invited. (September, 2011).


Hart, M. A., Straka, S., & Baskin, C. A research agenda on the social aspects of Indigenous aging. Presentation at the University of Manitoba’s Centre on Aging Annual Spring Symposium, Winnipeg, MB. (May, 2011).

Faculty of Medicine, First Nations, Métis and Inuit Health Research Symposium, December 1-2, 2011, Winnipeg, Manitoba, Canada


Kaufert, J. “ Methods and Design : Centering the Human Subject in Health Research", A Workshop in Research Ethics Centering the Human Subject in Research", University of British Columbia / University of Manitoba Knowledge Translation Workshop, Winnipeg, May 17, 2011.

Kaufert, J. “ Planning for Teaching Skills in International Research IV: Prospects for collaborative teaching in Kenya “, Teaching Skills in International Research Ethics Workshop III, Indiana University/ Moi University , Centre for Bioethics: Indiana University, Indianapolis, Indiana , April 14, 2011.

Kaufert, J. “the Ethics of Research: Emerging Dilemmas and Strategies for


Kliwer E, Elias B, Demers A, Lambert P, Hall M, HPV vaccine uptake among First Nations people in Manitoba, Canada, University of Manitoba, Faculty of Medicine, First Nations, Métis and Inuit Health Research Symposium, December 1-2, 2011, Winnipeg, Manitoba, Canada


Lengyel CO, Tate RB, Bayomi DJ. Nutritional risk of community-dwelling Canadian older men: The Manitoba Follow-up Study. (Poster presentation)


March, J., Henriksen, C.A., Afifi, T.O.,

Menec VH. Age-friendly communities in Manitoba, diversity and commonalities: The Age-Friendly Communities-University Research Alliance (CURA). Canadian Association on Gerontology conference, Ottawa, October, 2011 (symposium organiser and chair)


Presentations at the 40th Annual Scientific and Educational Meeting of the Canadian Association of Gerontology, Ottawa, October 21-23, 2011:

Presentations at the Centre on Aging 28th Annual Spring Research Symposium, University of Manitoba, May 2, 2011:

Raposo, S.M. Henriksen, C.A., Mackenzie, & Afifi, T.O. Time does not heal all wounds: Older adults who experienced childhood adversities are still at a greater risk for mood, anxiety, and personality disorders. Poster presented at the University of Manitoba’s 6th annual Undergraduate Student Research Poster Competition, October, 2011.


Spiwak R, Sareen J, Elias B, Martens P, Munro G, Bolton J. Complicated grief in First Nations populations, University of Manitoba, Faculty of Medicine, First Nations, Métis and Inuit Health Research Symposium, December 1-2, 2011, Winnipeg, Manitoba, Canada


Swift A, Tate R, Bayomi D. Self-definition of successful aging and perceived control in older men: The Manitoba Follow-up Study. (Poster presentation) Dr. Swift won First Prize in the Postdoctoral Fellow category of the CIHR Institute of Aging annual poster competition.

Swift AU, Tate RB, Bayomi DJ. Ng the gap between self-definitions and theories relevant to successful aging: The Manitoba Follow-up Study. (Poster presentation)

Tate R, Swift A, Bayomi D. Change over ten years in themes from older men’s lay-definitions of successful aging: The Manitoba Follow-up Study. (Poster
Tate RB and Bayomi DJ. Successful aging and mental and physical functioning in older Canadian men: The Manitoba Follow-up Study. (Poster presentation)


APPENDIX
## APPENDIX 1

### NEW GRANTS IN DEPARTMENT OF COMMUNITY HEALTH SCIENCES 2011/2012

<table>
<thead>
<tr>
<th>Grant Title</th>
<th>PI</th>
<th>Co-Pf’s</th>
<th>Total Funds</th>
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<tr>
<td>Age-Friendly Communities Hub</td>
<td>V. Menec</td>
<td>J. Keefe, M. Denton</td>
<td>$ 46,075.00</td>
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<tr>
<td>Age-Friendly Manitoba</td>
<td>V. Menec</td>
<td>NA</td>
<td>$ 70,000.00</td>
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<tr>
<td>Canadian Foundation for Fetal Alcohol Research-&quot;Utilization of health...&quot;</td>
<td>M. Brownell</td>
<td>A. Hanlon-Dearman, B. Elias, D. Chateau, W. Phillips-Beck, N. Roos, A. Chudley, S. Longstaffe</td>
<td>$ 50,000.00</td>
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<tr>
<td>Cherishing water, claiming health: a planning symposium on water as a holistic health right</td>
<td>Elias, Brenda</td>
<td>Busby, Karen</td>
<td>$ 25,000.00</td>
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<tr>
<td>CIHR Childhood Social Factors in Development (The CHILDSOC Project)</td>
<td>L. Roos</td>
<td>N. Roos, S. Samuel, J. Bolton, L. Katz, et al.</td>
<td>$ 98,984.00</td>
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<tr>
<td>CIHR PATHS Equity for Children</td>
<td>P. Martens</td>
<td>A. Katz, M. Brownnell, R. Fransoo, L. Roos, N. Roos, C. Hertzman, J. Bolton, L. Katz, et Al</td>
<td>$ 1,900,000.00</td>
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<tr>
<td>CRDCN network grant</td>
<td>Byron Spencer</td>
<td>E Forget, et al</td>
<td>$ 87,599.00</td>
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<tr>
<td>Developing a Community That Cares</td>
<td>Macdonald, S</td>
<td>Cook, Catherine</td>
<td>$ 100,000.00</td>
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<tr>
<td>Developing a diabetes prevention intervention: Identifying and targeting contextually-relevant stressors.</td>
<td>Sharon Bruce</td>
<td>Barry Lavallee; Lisa Lix; Natalie Riediger; Garry Shen; Kue Young</td>
<td>$ 812,103.00</td>
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<tr>
<td>Empowering Vulnerable Adolescent Girls to Improve their Access to Education and Health</td>
<td>S. Moses</td>
<td>N/A</td>
<td>$ 49,775.00</td>
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<tr>
<td>Enhancing the impact of HIV prevention programs for the most at risk populations in Kenya</td>
<td>J. Blanchard</td>
<td>S. Moses, L. Gelmon, J. Kimani, BM Ramesh</td>
<td>$ 4,979,956.00</td>
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<tr>
<td>Evaluation of the community response to HIV in India - HIV prevention among FSW in Karnataka State, South India</td>
<td>S. Moses</td>
<td>N/A</td>
<td>$ 48,300.00</td>
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<tr>
<td>Exploring the Role of Established and Non-traditional Risk Factors on Diabetes and Cardiovascular Disease Among a Manitoba First Nation Population (CIHR)</td>
<td>S. Bruce</td>
<td>L. Elliott, L. Lavallee, M. Torabi, N. Riediger, M. Daniel, G. Shen, M. Suh</td>
<td>$ 262,092.00</td>
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<tr>
<td>Exploring the Role of Established and Non-traditional Risk Factors on Diabetes and Cardiovascular Disease Among a Manitoba First Nation Population (MHRC)</td>
<td>S. Bruce</td>
<td>L. Elliott, L. Lavallee, M. Torabi, N. Riediger, M. Daniel, G. Shen, M. Suh</td>
<td>$ 262,092.00</td>
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<td>Grant Title</td>
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<td>Co-Pf’s</td>
<td>Total Funds</td>
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<tr>
<td>Exploring the role of established and non-traditional risk factors on diabetes and cardiovascular disease among a Manitoba First Nations population</td>
<td>Sharon Bruce</td>
<td>Mark Daniel; Lawrence Elliott; Barry Lavallee; Natalie Riediger; Garry Shen; Miyoung Suh; Mahmoud Torabi</td>
<td>$ 524,184.00</td>
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<tr>
<td>Global HIV prevention program science technical support and knowledge management</td>
<td>J. Blanchard</td>
<td>S. Moses, M. Becker, R. Lorway, F. Emmanuel, BM Ramesh, L. Thompson</td>
<td>$ 2,171,870.00</td>
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<tr>
<td>Heart &amp; Stroke Foundation of MB - Matching (PATHS Equity for Children)</td>
<td>P. Martens</td>
<td>A. Katz, M. Brownell, R. Fransoo, L. Roos, N. Roos, C. Hertzman, J. Bolton, L. Katz, et. Al</td>
<td>$ 100,000.00</td>
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<tr>
<td>Improving Health Policy Decision-Making In The Face Of Uncertainty: A Case Study of Endovascular Treatment for Multiple Sclerosis. MS Society of Canada, Operating Grant, 2011</td>
<td>Driedger, S.M</td>
<td>Brouwers, M.</td>
<td>$ 276,640.00</td>
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<tr>
<td>Investigating social, built and physical environmental factors for remote Indigenous communities, and their relationships with cardiometabolic outcomes</td>
<td>Mark Daniel</td>
<td>Ross Bailie; Alex Brown; Sharon Bruce; Margaret Cargo; Catherine Paquet</td>
<td>$ 250,000.00</td>
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<tr>
<td>Maestro2-Storylines: The Use of Creative Expression Among First Nations Youth with Type 2 Diabetes to Inform Clinical Practice and Foster Self-Care</td>
<td>Heather Dean</td>
<td>Catherine Macdonald; Sharon Bruce; Andrea Kohn</td>
<td>$ 3,500.00</td>
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<tr>
<td>Meeting critical health care &amp; nutritional needs to improve maternal, neonatal and child health in vulnerable African populations</td>
<td>L. Avery</td>
<td>M. Crockett, J. Blanchard, M. Becker, J. Slater</td>
<td>$ 1,671,983.00</td>
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<tr>
<td>MHRC Dissertation Award</td>
<td>M. Brownell</td>
<td>L. Yallop</td>
<td>$ 3,725.00</td>
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<tr>
<td>MHRC Establishment Grant</td>
<td>M. Doupe</td>
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<td>$ 100,000.00</td>
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<tr>
<td>MIEM - UM (Jayas) FASD Research</td>
<td>M. Brownell</td>
<td>B. Elias</td>
<td>$ 15,000.00</td>
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<tr>
<td>Small Area Estimation, and Spatial Statistics (NSERC)</td>
<td>M. Torabi</td>
<td></td>
<td>$ 65,000.00</td>
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<tr>
<td>Substantiated Reports of Child Maltreatment from the Canadian Incidence Study of Reported Child Abuse and Neglect (CIS-2008): An Examination of Co-occurring Types of Maltreatment, Child Health and Functional Impairment, and Perpetrator Vulnerabilities. Manitoba Health Research Council (MHRC) Establishment Grant</td>
<td>Afifi, T.O.</td>
<td></td>
<td>$ 64,560.00</td>
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<tr>
<td>Grant Title</td>
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<tr>
<td>To influence global HIV prevention practice by disseminating widely the approaches and learnings from scaled HIV prevention interventions in India - Part 2 (Accelerate &amp; deepen the dissemination of learning)**</td>
<td>S. Moses</td>
<td>N/A</td>
<td>$ 435,000.00</td>
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<tr>
<td>To influence global HIV prevention practice by disseminating widely the approaches and learnings from scaled HIV prevention interventions in India - Part I (Enhance capacities of HIV programmers, policy markers &amp; implementers)</td>
<td>S. Moses</td>
<td>N/A</td>
<td>$ 715,000.00</td>
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<tr>
<td>Types of Gambling, Gambling Involvement and Gambling-Related Problems. Health Sciences Centre Foundation (HSCF) General Operating Grant</td>
<td>Afifi, T.O.</td>
<td>LaPlante, D., &amp; Shaffer, H.</td>
<td>$ 30,950.00</td>
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**ON-GOING RESEARCH FUNDS**

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<tr>
<th>Grant Title</th>
<th>PI</th>
<th>Co-Pi’s</th>
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<tr>
<td>Age-Friendly Communities, Active Aging Alliance</td>
<td>V. Menec</td>
<td>A. Segall, R. Milgrom, C. Chipperfield, F. Racher, J. Everitt, B. Hallman</td>
<td>$ 1,000,000.00</td>
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<tr>
<td>Age-Friendly Manitoba</td>
<td>V. Menec</td>
<td>NA</td>
<td>$ 115,000.00</td>
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<tr>
<td>AHHR Project Funding - Fund# 313461</td>
<td>Dr. Catherine Cook</td>
<td>NA</td>
<td>$ 70,000.00</td>
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<tr>
<td>Baseline sexual &amp; reproductive survey in two long-standing research cohorts in Nairobi, Kenya</td>
<td>L. Avery</td>
<td>NA</td>
<td>$ 25,000.00</td>
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<tr>
<td>Biostatistical Methods for Disease Cluster Detection and Spatial Modeling (CIHR)</td>
<td>R.J. Rosychuk</td>
<td>M. Torabi, B.H. Rowe</td>
<td>$ 197,085.00</td>
</tr>
<tr>
<td>Building capacity to respond to HIV/AIDS in China</td>
<td>J. Blanchard</td>
<td>S. Moses, N. Yu, E. Judd, R. Lorway</td>
<td>$ 998,000.00</td>
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<tr>
<td>Canada Research Chair in Healthy Aging</td>
<td>V. Menec</td>
<td>NA</td>
<td>$ 500,000.00</td>
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<tr>
<td>Canadian Longitudinal Study on Aging (CFI)</td>
<td>P. Raina</td>
<td>V. Menec etc.</td>
<td>$ 1,100,000.00</td>
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<tr>
<td>Canadian Longitudinal Study on Aging (CIHR)</td>
<td>P. Raina</td>
<td>V. Menec etc.</td>
<td>$ 1,144,599.00</td>
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<td>Canadian Longitudinal Study on Aging (CLSA)-Mobility Initiative (CMI) – An Emerging Team in Mobility in Aging</td>
<td>P. Raina</td>
<td>V. Menec etc.</td>
<td>$ 1,487,100.00</td>
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<td>Grant Title</td>
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<td>Total Amount</td>
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<tr>
<td>Centring the Human Subject in Health Research: Understanding the Meaning</td>
<td>Cox, S.</td>
<td>Macdonald M., Kaufert J., Kaufert P.</td>
<td>$740,000.00</td>
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<td>and Experience of Research Participation</td>
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<tr>
<td>CFI Project #20329 - Leading Edge Fund</td>
<td>P. Martens</td>
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<td>$1,453,780.00</td>
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<tr>
<td>CIHR - (31788) Pat Martens Salary</td>
<td>P. Martens</td>
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<td>$600,000.00</td>
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<td>CIHR - DSEN CNODES (Database Team)</td>
<td>S. Suissa</td>
<td>P. Martens, R. Platt, D. Henry, A. Levy, P. Ernst, M. Paterson, G. Teare, B. Hemmelgarn</td>
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<td>the Mythbusters</td>
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<td>CIHR - Queen’s Univ. - Impact policy variation H1N1 Aboriginal com. BC, MB &amp; ON</td>
<td>A. Katz</td>
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<td>CIHR - Applied Public Health Chair Award</td>
<td>P. Martens</td>
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<td>CIHR/CCMB team in First Nations cancer research</td>
<td>Elias, Brenda</td>
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<td>CIHR/CHVI Team in the socio-cultural aspects of implementing HIV vaccine</td>
<td>R. Lorway</td>
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<td>programs among MSM And FSWs in Asia and Africa.</td>
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<td>Comprehensive primary health care in the Island Lake communities: what</td>
<td>Anderson DeCoteau, M</td>
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<td>$27,300.00</td>
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<td>does it mean and how does it look?</td>
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<td>Developing and applying theoretical frameworks in the epidemiology of</td>
<td>J. Blanchard</td>
<td>B. Davies, G. Garnett</td>
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<td>sexually transmitted infections</td>
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<td>Does conduct disorder increase the likelihood of experiencing childhood</td>
<td>Affi, T.O.</td>
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<td>and adulthood traumatic events and posttraumatic stress disorder (PTSD)?</td>
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<td>University Research Grants Program (URGP), University of Manitoba</td>
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<td>Enhancing the impact of HIV prevention programs for the most at risk</td>
<td>J. Blanchard</td>
<td>S. Moses</td>
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<td>populations in Kenya</td>
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<td>Evaluation of the HANS Project: A Community Approach to Improving Health</td>
<td>L Elliott</td>
<td>A Henteleff, H Wall</td>
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<td>and Wellbeing</td>
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<td>Examining pandemic communication Strategies of Public health Agencies for</td>
<td>Driedger, S.M.</td>
<td>Jardine, C., Keenan, Jennifer.</td>
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<td>H1N1: How well did they work. CIHR Operating Grant</td>
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<td>Factors that influence H1N1 vaccination uptake among pregnant women in Manitoba</td>
<td>L. Avery</td>
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<td>From risk factors to culturally sensitive interventions: A programmatic approach to aboriginal suicide- sub project to main grant</td>
<td>Sareen, Jitender</td>
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<td>Gates Foundation: Capacity Building &amp; Training of AVAHAN Partners Mysore &amp; Mandya: A Learning Site for CLSI Programming</td>
<td>J. Blanchard</td>
<td>S. Reza-Paul</td>
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<td>HIV prevention in vulnerable populations: Addressing complexity in program design and implementation</td>
<td>J. Blanchard</td>
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<td>HIV/AIDS Prevention, Care and Support in Karnataka, India</td>
<td>S. Moses</td>
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<td>IBBA surveys to evaluate the Avahan program</td>
<td>S. Moses</td>
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<td>Impact assessment of HIV prevention programming in Andhra Pradesh and Karnataka: The CHARME II Project</td>
<td>S. Moses</td>
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<td>Increase uptake of newborn and maternal interventions in poorly performing rural districts of Karnataka</td>
<td>J. Blanchard</td>
<td>S. Moses, L. Avery</td>
<td>$8,397,051.00</td>
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<td>Is a GAI feasible and sustainable in Canada?</td>
<td>Evelyn Forget</td>
<td>many</td>
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<td>Is a Guaranteed Annual Income Feasible and Sustainable in Canada? (CIHR)</td>
<td>E. Forget</td>
<td>B. Jackson, A. Sheil, M. Torabi, M. Wolfson</td>
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<td>Leaving for the City: an exploration of cultural social, health and economica dimensions of Manitoba First Nations relocating to urban centres to access medical care</td>
<td>Kaufert, Joseph</td>
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<td>Leaving for the City: An Exploration of Cultural, Social, Health and Economic Dimensions of Manitoba First Nations Relocating to Urban Centres to Access Medical Care</td>
<td>Lavoie, J</td>
<td>Kaufert, J, O'Neil, J, Brown A.</td>
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<td>Manitoba First Nations health report card: a collaborative network project to understand health disparities</td>
<td>Elias, Brenda</td>
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<td>Manitoba Health / Western Regional Training Program</td>
<td>Malcolm Doupe</td>
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<td>Manitoba Network Environment for Aboriginal Health Research</td>
<td>Catherine Cook</td>
<td>Sharon Bruce</td>
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<td>Manitoba Network Environments for Aboriginal Health Research</td>
<td>Cook, Catherine</td>
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<td>Mental and Physical Health Correlates of Physical Punishment and the Relationship between Physical Punishment and Family Violence: Data from a Nationally Representative Sample. Joint funding from Manitoba Medical Services Foundation (MMSF). ($7,500) and the Winnipeg Foundation ($12,500)</td>
<td>Afifi, T.O.</td>
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<td>MCHP - RPP Injecting Evidence Into Health Policy Coverage: “KT’ing” the Mythbusters</td>
<td>N. Roos</td>
<td>P. Martens, M. Driedger, A. Katz, D. Henry, M. Barer, et al.</td>
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<td>MHRC - Temporal Trends and Sex Differences in acute myocardial infarction</td>
<td>R. Fransoo</td>
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<td>Missed opportunities for diagnosis of HIV epidemiological study (MODES)</td>
<td>M. Becker</td>
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<td>Monitoring and Evaluation of the Avahan Project in India (Michel Alary’s Grant)</td>
<td>S. Moses</td>
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<td>MRIF - Leading Edge Fund (CFI Matching)</td>
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<td>New Emerging Team Grant: End of Life Care and Vulnerable Populations. Team Leader - end of Life Ethics Theme</td>
<td>Chochinov H.</td>
<td>Steinstra D., Kaufert J., Lutfiyya Z.</td>
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<td>PHAC - M. Chartier - Phase II Towards Flourishing</td>
<td>M. Chartier</td>
<td>J. Volk, M. Cooper, D. Embry, C. Keyes, A. Alix-Roussin, J. Walker, R. Santos, M. Brownell</td>
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<td>Point of care testing in the Emergency Room, Health Sciences, Centre, Winnipeg</td>
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<td>RBC - Hlth &amp; Ed. Attainment of Children</td>
<td>N. Roos</td>
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<td>Requirements for a &quot;Good Death&quot; in hospice Care.</td>
<td>Coward, H.</td>
<td>Stajdahar K., Kaufert J., et al</td>
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<td>Research Ethics Governance Network Development Grant</td>
<td>Macdonald M.</td>
<td>Cox S., Kaufert J.</td>
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<td>Research start up fund (VP Matching)</td>
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<td>Risk and vulnerability among new and young female sex workers in South India</td>
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<td>Scaling up HIV Prevention in Karnataka and Southern Maharashtra, Phase 2</td>
<td>S. Moses</td>
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<td>Sex cells: A pilot study investigating cell phone-based sexual networks among men who have sex with men in South India</td>
<td>R. Lorway</td>
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<td>Strategic Training Initiative in Health Research - CIHR</td>
<td>Sam Sheps</td>
<td>Malcolm Doupe, Pat Martens</td>
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<td>Strengthening health literacy among indigenous people living with cardiovascular disease, their families, and health care providers</td>
<td>Anderson DeCoteau, M</td>
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<td>SUNNYBROOK - (CIHR) - Health care system sustainability through longitudinal efficiency: Improved quality and lower costs</td>
<td>T. Stukel</td>
<td>A. Katz</td>
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<td>Support to African countries in the design and development of targeted HIV prevention programs</td>
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<td>Technical support to design, implement and monitor HIV prevention programs for FSW’s and MSM in Sri Lanka: A proposal</td>
<td>S. Moses</td>
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<td>The social environment and the health of first nations women and men</td>
<td>Elias, Brenda</td>
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<td>Treatment of DMARD Naïve patients with poor prognosis rheumatoid arthritis using rituximab</td>
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<td>Understanding Child Maltreatment, Intimate Partner Violence, and Substance Use Disorders in a Nationally Representative Adult Sample. Internal funds from the Canadian Institutes of Health Research (CIHR) Centre for Preventing Violence Across the Lifespan Research Network (PreVAiL).</td>
<td>Afifi, T.O.</td>
<td>Asmundson, G.J.G., &amp; Sareen, J.</td>
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<td>Ushirikiano: Building research capacity to improve maternal child health outcomes in Kenya and Canada</td>
<td>L. Avery</td>
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<td>York University - Re-imagining long-term residential care: An international study.</td>
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