



# Department of Community Health & Epidemiology

2016-17 Annual Report



UNIVERSITY OF SASKATCHEWAN

College of Medicine

DEPARTMENT OF COMMUNITY  
HEALTH AND EPIDEMIOLOGY  
[MEDICINE.USASK.CA](http://MEDICINE.USASK.CA)



## Message from the Department Head

As described in this 2016/2017 annual report, the Department of Community Health and Epidemiology encountered many firsts during the year.

For the first time, the Department's research revenue reached a historical high with funding awarded in the amount of \$29.3 Million.

We were delighted to welcome two new young faculty. We were also moved by the celebration of life of Dr. Gerry Dickson, a dear friend and faculty who will be missed.

We engaged in meaningful activities which reinforced our sense of community and our awareness of the urgency to make a difference. You can read a great example on page 7 when Kathy Evans organized a town hall meeting as part of the Canadian Mental Health Awareness week. We were also privileged to listen to a Survival story as narrated by Elder Kewistep.

In the news and included in our annual report, the department submitted an Opinion Editorial to expose the unfair consequences of government's cuts to social programs on the poorest among us.

The Division of Social Accountability with its dynamic staff sponsored the first 5-year strategic plan and the first annual report of the division.

Congratulations to all our graduates who convoked during the year with a MSc (8), and PhD (1); 2 residents completed their Public Health & Preventative Medicine program and two passed their Royal College specialty examinations. Well done!

When I look back at the year, I feel inspired by the hard work and the dedication of faculty, students and staff who engaged in learning, research and advocacy in their respective ways and collectively made a difference locally and globally.



## Welcome!

Dr. Juan-Nicolas Pena-Sanchez (left) joined the department on July 1, 2016 as Assistant Professor. Juan-Nicolas contributes to teaching in the undergraduate and postgraduate programs and is involved in research related to the inflammatory bowel disease (IBD).

Dr. Eddie Rooke (right) became the new Acting Director of the Division of Social Accountability on December 1, 2016. Eddie is interested in research around stigma, HIV care, student assessment, global health practice, and social accountability.



## Our Faculty and Core Support Staff



**Dr. Anne Leis**  
Department Head,  
Professor



**Dr. Marcel D'Eon**  
Professor



**Dr. Huyn J. Lim**  
Professor



**Dr. Nazeem Muhajarine**  
Professor



**Dr. Punam Pahwa**  
Professor



**Dr. Kalyani Premkumar**  
Professor



**Dr. Lillian Thorpe**  
Professor



**Dr. Sylvia Abonyi**  
Associate Professor



**Dr. Rachel Engler-Stringer**  
Associate Professor



**Dr. Gary Groot**  
Associate Professor



**Dr. Lori Hanson**  
Associate Professor



**Dr. Bonnie Janzen**  
Associate Professor



**Dr. Cory Neudorf**  
Associate Professor



**Dr. Juan-Nicolas  
Pena-Sanchez**  
Assistant Professor



**Dr. Michael Schwandt**  
Assistant Professor



**Dr. Edward Rooke**  
Acting Director of Social  
Accountability



**Cheryl Bolster**  
Department Secretary



**Cindy Elchuk**  
Graduate Secretary



**Kathy Evans**  
Department Head  
Secretary



**Koreen Skjonsby**  
PHPM/Undergraduate  
Secretary

## Vision

We envision a society in which all people have equitable opportunity to experience optimal health, shaped by evidence-informed policies and practices and based on principles of sustainability.

## Mission

We create, synthesize and translate knowledge for evidence-informed policies and practices which support population health equity locally and globally.

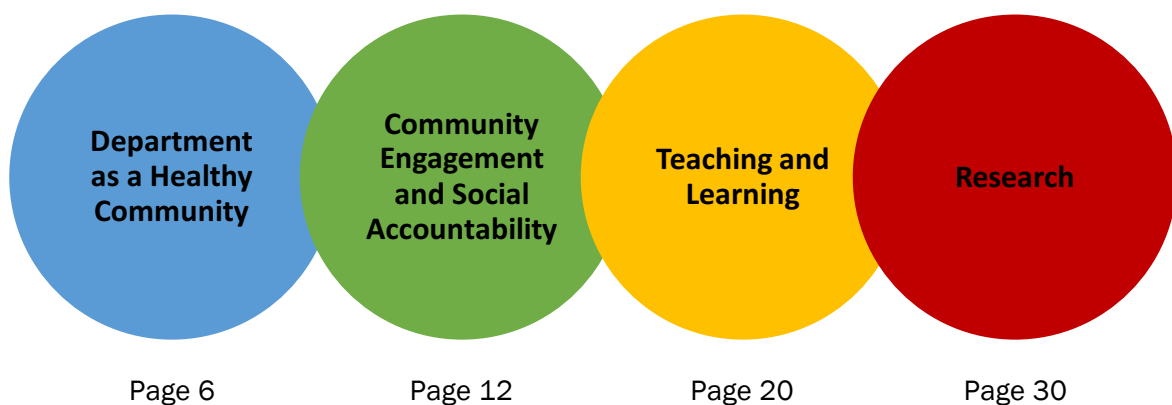
## Values

Our values are Respect, Fairness, Excellence and Professionalism.

## Who We Are

The Department of Community Health and Epidemiology (CH&E) is concerned with understanding the individual and collective factors that determine health and applying this knowledge to maintain and improve the health status of populations and to reduce inequities in health status between groups. The term 'community' reflects the historic emphasis of our field on the creation, protection, and promotion of health within the context of communities, which may be geographic or based on shared identity and social ties.

The Department is driven by four strategic goals:





# Department as a Healthy Community

To be a healthy and vibrant community  
providing a supportive working environment based on  
good communication and collaboration





## Congratulations!



**Dr. Bruce Reeder**, Professor Emeritus, Community Health and Epidemiology (left) was awarded the 2016 Alumni Achievement Award during a celebration on October 22, 2016 held at Marquis Hall. The award was presented for his commitment to the medical profession and his dedication to public service and international aid. Dr. Reeder has spent the last three decades committing himself to the field of community health and epidemiology. He applied his knowledge internationally through work with Doctors Without Borders, including that in Liberia during the Ebola virus disease outbreak.

**Dr. Kalyani Premkumar** graduated with an MBA at the University of Saskatchewan fall 2016 convocation ceremony. She has an MD, MBBS, MSc, PhD and now an MBA! Also in 2016-17, Kalyani was promoted from Associate Professor to Professor.

**Dr. Lilian Thorpe** (right) was chosen as the 2016-17 Department of Psychiatry Faculty Teacher of the Year. This honour was presented during Psychiatry's annual department Family BBQ on June 26, 2017.



**Dr. Nazeem Muhajarine** has been selected to sit on the newly-formed SPOR Primary and Integrated Health Care (PIHCI) National Leadership Council as well as the National Executive Committee of the organization. This body will be tasked with expanding the impact and scope of patient-oriented research in Canada as well as linking to international organizations with similar mandates.

**Dr. Anne Leis** has been reappointed as Head of the Department of Community Health and Epidemiology for a second term, until June 30, 2020.



### A Celebration of Life

A Celebration of Life was held at Station 20 West to honour Dr. Gerri Dickson, professor in Community Health & Epidemiology, who passed away in August 10, 2016. Gerri was born in Fort Qu'Appelle and completed her Bachelor of Science in Nursing and PhD in Community Health and Epidemiology at the University of Saskatchewan. Gerri was strongly committed to cross-cultural and international development work, a commitment which shaped her and her husband Murray's lives. In 1986 Gerri was appointed as a faculty member of the College of Nursing. After several years, she moved to the College of Medicine and directed Training for Health Renewal Program (THRP) at the rural health training center in Massinga, Mozambique. Gerri will be greatly missed by her many friends and her family.



## Department Events

Department events include seminars and presentations by faculty, students and invited guests; attending open houses to promote our Department; faculty retreats; regular potlucks at the end of terms and Christmas; welcome barbeques at the start of the school year.



2016-17 Open House



2016-17 Welcome BBQ



2016-17 Graduate tea



CHEP 990 seminar



Faculty retreat



Halloween fun



Christmas potluck

## Bringing mental illness out of the shadows

As the Department Head Secretary, Kathy Evans is a familiar face to many in the Department of Community Health and Epidemiology. She has developed a reputation for her no-nonsense attitude combined with an incredible willingness to help her colleagues. But her daughter's schizophrenia caused a severe strain on her, her family and professional life. Repeated visits in and out of mental health facilities, trying to navigate and advocate for her daughter's health care needs and ever-mounting prescription bills slowly had an impact on her own health, well-being and family life.

It started in 2010 with a quest to learn as much as she could about her daughter's mental illness. Sarah, Kathy's 17-year-old daughter, was diagnosed with schizoaffective disorder, a chronic mental health condition that is characterized by symptoms of both a mood disorder such as mania and depression and schizophrenia. The diagnosis was both devastating yet in many ways a relief for Kathy, who for years had watched helplessly as her daughter's mental health rapidly declined with no given explanation.

With that diagnosis Kathy's daughter Sarah joined an estimated 10,000 Saskatchewan residents (1% of the population) who have schizophrenia. It was a pinnacle moment for Kathy in that it launched her mental health advocacy work. It has been 8 years and Kathy has tirelessly worked to help erase the stigma of

mental illness and increase support for families living with mental illness.

Kathy has spent the last few years sharing her lived-experience and has publically spoken about the toll mental illness can have on families. She frequently shares her story at the YWCA women's shelter, has presented at events including Living with Mental Illness Conference, and various mental health workshops and information sessions in and around the city. Last fall, Kathy was invited to the Dean's office to speak about mental illness. As a CUPE 1975 local representative for the University of Saskatchewan's Employee and Family Assistance Program, Kathy has also provided input to Employee Assistance Program promotional activities. She has also helped explore how university counseling services meet the needs of family members living with mental illness.

A highlight for Kathy was a well-attended town hall she organized in the College of Medicine last spring as part of Canadian Mental Health Awareness Week. The town hall coincided with the launch of a book "Much Madness, Divinest Sense: Women who Care About Mental Health" which was co-edited by Dr. Nili Kaplan-Myrth and Dr. Lori Hanson (department faculty). The book is a collection of women's writing about mental health and health care and includes an excerpt by Kathy. The book was profiled in *The Globe and Mail*.

Kathy's engagement in mental health advocacy has been a hugely rewarding experience for her. It has given her the opportunity to offer support and hope for families living with mental illness. She hopes to continue to share the powerful message that there is no shame with mental illness.

*"Much Madness, Divinest Sense" is available at Turning the Tide Bookstore in Saskatoon.*



Jane Melville Whyte, Dr. Lori Hanson, Diane Reid, Shannon Evans and Kathy Evans at the Much Madness, Divinest Sense book launch at McNally Robinson.



## Survival Story: an elder's narrative



**Elder Gilbert Kewistep**, BISW, MASW, FNMHS Cultural Advisor, Regional Health Support Worker (RHSW) in the Saskatoon Health Region, made a powerful presentation entitled "Survival story: an elder's narrative" on November 21, 2016, to a very full room in A226 Health Sciences.

Gilbert joined the First Nations Métis Health Services in February 23, 2015 as the Cultural Advisor/Residential School Support Worker. Gilbert is originally from the Yellowquill First Nation which is situated in east central Saskatchewan. Part of Gilbert's role is to help connect patients who have experienced the residential school system with Elders, community supports and other RHSW's. He provided a very powerful presentation on his own experience in residential school that allowed the participants to better understand the daily challenges and struggles that have impacted so many families and communities. Gilbert has his Master's degree in Social Work and is also a sessional at

the First Nations University of Canada/Saskatoon Campus. His role as a cultural helper allows him to support other Elders in various agencies within the city of Saskatoon.





# Community Engagement & Social Accountability

To share and mobilize the knowledge and skills of  
the Department with diverse partners



## In the News

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**Dr. Gary Groot** was featured in an article by Pamela Cowan in the October 19, 2016 issue of the Saskatoon StarPhoenix: *Surgeons among those calling on the Sask. government to immunize boys for HPV.*



Liz James and Dr. Gary Groot, with their sons Anthony (left) and Eric (right)

with HPV related cancers and a father of four boys, I am very excited that the Ministry of Health will be providing the HPV vaccine to boys and girls alike," said Dr. Gary Groot.

*A vaccine to prevent human papillomavirus (HPV), is publicly funded and available for Saskatchewan girls, but not boys. Dr. Gary Groot, director of surgical oncology for the department of surgery in Saskatoon, performs surgery on patients with HPV-associated cancers. "Treating one or two of those patients probably pays for all of the vaccinations that we would do for boys," Groot said. "It makes no sense not to vaccinate boys."*

In March 2017, the Saskatchewan government announced that the new budget would include \$750,000 to begin a human papillomavirus vaccine program to protect Saskatchewan boys and men from cancer. "As a surgeon treating patients



Sugandhi del Canto narrates Culture Days 2016

The video "Culture Days 2016 - A City of Food Deserts and Food Swamps" (<https://vimeo.com/183698972>) was shown during the 5<sup>th</sup> Annual Global Health Conference on October 1, 2016 in Saskatoon. In the video, **Sugandhi del Canto**, PhD candidate, narrates research findings about food security in Saskatoon.

*Saskatoon is a city of food deserts and food swamps. This issue primarily affects residents living in the city centre and core neighbourhoods. In 2015, two more grocery stores closed within four months of each other; the Shop Easy, in City Park and the Good Food Junction in Riversdale. An estimated 25,000 residents lost access*

*to a walkable grocery store. In response, a group of concerned citizens and community advocates gathered to establish the City Centre Food Cooperative (CCFC). After partnering with CHEP good food box and Community Service Village, the CCFC now offers biweekly access to inexpensive, fresh, nutritious produce to their community.*



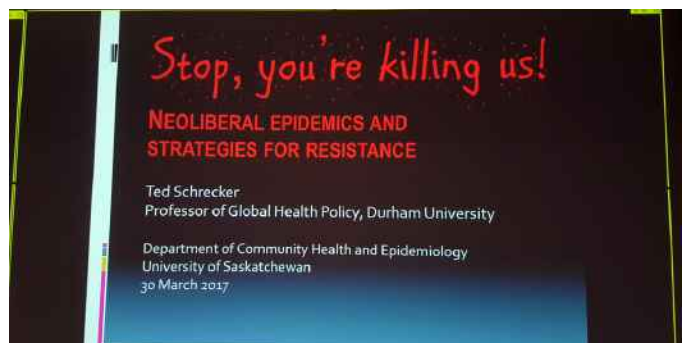
## Dr. Ted Schrecker's presentation

**Dr. Ted Schrecker** (right), Professor of Global Health Policy, Durham University, presented the talk titled, “*Stop, you’re killing us!*” *Neoliberal epidemics and strategies of resistance*” on March 30, 2017 to a full room in Health Sciences E1130 followed by an off campus presentation at Amigos.

A political scientist, he has taught that discipline as well as environmental studies and (at the graduate level) population health and health policy. His current research interests include the political economy of health and illness and the challenges for global health in a post-democratic era, as well as issues at the interface of science, ethics, law and public policy. He is co-author of *How Politics Makes Us Sick: Neoliberal Epidemics* (Palgrave, 2015) and editor of *The Research Companion to the Globalization of Health* (Ashgate, 2012); he is writing a text *Global Health in a Neoliberal Era: Critical Perspectives*, and co-editing *Handbook of Global Health Politics* for Edward Elgar. Ted’s research has been published in journals including *Social Science & Medicine*, *Health & Place*, *Health Policy & Planning*, *Globalization and Health*, *Global Public Health* and *Preventive Medicine*. He also serves as co-editor of the *Journal of Public Health*.



Dr. Lori Hanson and Ted Schrecker



## Prognosis for Austerity

**In response to the government announcement of the 2017 Saskatchewan provincial budget, CH&E Faculty submitted an Opinion Editorial (OpEd) to the Saskatoon StarPhoenix: *Prognosis for Austerity* Rather than ‘short term pain for long-term gain’, austerity is better understood as a war on the poor.**

The evidence from around the world is clear and compelling: by their effects on the social determinants of health and health-determining processes, cuts to social programs result in worse life outcomes and higher death rates among the sections of the population hit hardest by the cuts. Economic policies – and the political choices that drive them – are the “causes of the causes” of these negative health outcomes.

Understanding how and why public expenditure affects health outcomes and health inequalities is central to the mandate of the Department of Community Health and Epidemiology. In light of this, we are concerned with the recent provincial austerity budget and the potentially lasting effects that the cuts – to funeral services and transitional employment allowances for people on income and disability support programs, to the Saskatchewan Transportation Corporation (STC), to the library system, to local municipal budgets, to public sector compensation, to the hearing aid, podiatry, and pastoral care programs, among others – will have on the health of Saskatchewan’s people, especially its most vulnerable populations.

On invitation from the College of Medicine and The Treaty 6 Justice Collective, renowned scholar Professor Ted Schrecker recently gave two lectures in Saskatoon providing research evidence of the effects of austerity on health in the UK, the EU and the US. He noted that everywhere we observe it “austerity is selective” – with resources continuing to be available for elite projects and agendas while disproportionately affecting the lowest income groups. Schrecker also cited a litany of research linking austerity to adverse health outcomes that suggests effects are cumulative, unequal, and intergenerational.

We see this trend in this provincial budget, where amidst the harsh cuts, corporate taxes have been reduced to the lowest levels in Canada. We are concerned that austerity policies here will have such adverse and unequal effects on health by determining who is able to travel to the city for specialist appointments or cancer or dialysis treatment; who will be able to read up on their health conditions or create resumes to apply for jobs given reduced library services; whose child will receive extra help in school or at the audiologist’s office; who will be victimized when hitchhiking replaces a bus service to our North; or who is more likely to binge on alcohol or drugs, or spiral into depression.

The UK organization Psychologists Against Austerity have illustrated with a raft of evidence that radical cuts to public services also become intergenerational; clearly, austerity can undermine the resilience of already vulnerable communities, which has a social cost many decades into the future. The money the government ‘saves’ today will result in greater expenditures in the future.

Political analyst and author Richard Seymour notes that the popular representation of austerity as ‘short term spending cuts’ thus disguises the connection between austerity budgets and a permanent re-organization of society. Likewise, John Clarke, long-time activist with the Ontario Coalition Against Poverty, recently suggested on CBC Saskatoon that austerity is therefore better understood as a “war on the poor”. We need only pause for a moment to understand this. It is well known that if children’s lives are poorly supported in the early years, the effects are life-long. And that costs all of us, dearly.

Once our Crowns such as the STC and the Saskatchewan Grain Car Corporation sell their fleets of buses and rail cars, there will not be money in the provincial coffers to start them again. Such changes are not one-time and temporary; they will fundamentally alter the fabric of the province. For residents of rural Saskatchewan, buses do much more than transport people for vital health services. STC is also an essential public service required for shipping essential medical supplies such as vaccines and blood products to rural communities, sending water and medical samples to labs in larger centres for testing, and moving books around the province through the inter-library loan system.

As community and public health researchers, educators, and practitioners we see it as moral obligation to challenge the rhetoric of austerity and insist on health equity as a priority in public finance. Public finance is a matter of public health – and a matter of life and death.

## The Animation Project

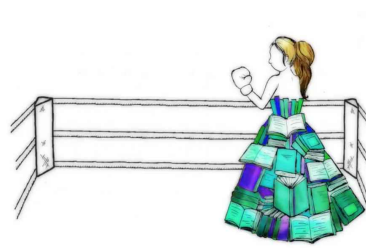
The Animation Project features undergraduate mothers with lived experience of poverty. These women collaborated to create an animated graphic narrative along with other students from the University of Saskatchewan. The project is an example of the process of amplifying community voices and the social determinants of health in Saskatoon through animated stories: navigating university, inner city and home worlds. The project videos can be found online:

<https://www.usask.ca/engagement/station-20-west/the-animation-project1.php>



*The animations that I have been producing were screened at the Building Reconciliation Forum at the U of S on March 7th. To date, we have made over 20 presentations to various departments at the U of S, as well as local and wider conferences. These presentations have focused on a variety of themes, including indigenization, anti-racism education, indigenous feminisms and research methods, community engagement and collaboration, global and local health, arts based learning and mentorship. The animations have been screened in Thunderchild First Nation for the Miyo Pimatsowin program and the Building Reconciliation Forum at the U of S as well as in Australia as part of the reconciliation process there. We have also presented to the partners at S20W, City of Saskatoon, Saskatoon Health Region and to members of the Saskatoon Indigenous Cultural Centre. I've been invited to present and share this animation as a learning tool for students but also for staff and contract workers in health and civil service institutions. We have learned that our process has engaged young people and sparked excitement, curiosity and commitment. The animation has informed post-secondary culture about making space, inclusivity, understanding and ethical long-term engagement in meaningful ways. The project has already begun to influence internal U of S practice to support students.*

Lise Kossick-Kouri



**Lise Kossick-Kouri** is a Master's student in the Department being supervised by Dr. Rachel Engler-Stringer. Lise's current research concerns alternative food networks, resilience and resistance within a colonized environment in Saskatoon. Lise is also a team member of the U of S Community Engagement and Outreach office at Station 20 West where she led and designed two animation projects.



# Centre for Integrative Medicine

## About Integrative Medicine

Integrative medicine involves the selective blending of conventional biomedical interventions with one or more evidence-based complementary therapies such as acupuncture, yoga, meditation, massage therapy, and herbal remedies. It is an approach to medical practice which is oriented toward prevention, lifestyle, environment, and healing, and is used primarily for the prevention, treatment, and reversal of chronic conditions. It remains one of the fastest growing components of the healthcare sector, with a midline evidence base now exceeding 18,000 clinical trials. Integrative medicine is now included in the undergraduate curriculum of virtually all medical schools in Canada and the United States.

## About the Centre

The Centre was launched in 2002, as a focal point for collaboration in education, research, and community development activities pertaining to integrative medicine. It was the academic centre of its kind in Canada: similar centres have subsequently been launched in several Canadian cities, including the Universities of Alberta, Toronto, and McGill.

By virtue of its interdisciplinary structure, diversity of stakeholders, and broad spectrum of skills and knowledge, the Centre has established itself within the College of Medicine, the University of Saskatchewan, and the wider community, as a vehicle for creating educational opportunities, engaging external stakeholders, catalyzing innovation, and supporting transformational change within healthcare systems and medical education.



Back row: Dr. Anita Chakravarti, Dr. Chong Wong, Dr. Shirley Maltman  
Front row: Dr. Joe Schnurr, Dr. Louise Gagne, Dr. Michael Epstein

The Centre's core faculty now includes three integrative family physicians, and a Managing Director, with close ties to three additional family and specialist physicians, all of whom have advanced training in complementary and integrative medicine. This provides the Centre with specific expertise in

nutritional medicine, natural health products, integrative pain medicine, medical acupuncture, traditional Chinese medicine, medical anthropology, mind-body practices, massage and bodywork, health education, research methods and multivariate statistics.

Faculty from the Centre are involved as directors and instructors for the integrative medicine theme, which was the first topic to be integrated as a vertical theme in the new undergraduate medical curriculum. The Centre has also been instrumental in the conception, development, pilot testing of several other curriculum themes including those pertaining to physician wellness, medical nutrition, and evidence-based practice.

## Integrative health seminar

Since 2002, the Centre has organized the Integrative Health Seminar Series. This series is intended to build support for innovation and change in healthcare systems by showcasing emerging research with implications for shaping the future of healthcare; by building communication bridges between disciplines, professions, and organizations; and by providing a safe forum for the creation of engagement and dialogue regarding the current challenges and opportunities in healthcare. The audience typically includes physicians, nurses and allied health providers, as well as researchers, managers, business and community leaders, and policy-makers from a wide spectrum of health-related professions.

## Recent Activities

On June 23, 2017, the Centre celebrated the 10<sup>th</sup> Annual Betty-Anne and Wade Heggie Lecture in Integrative Medicine, with a presentation by Dr. Stephen Genuis, on the topic of Environmental Medicine. This endowed lecture is normally embedded within the Highlights in Medicine Alumni Conference and Reunion, and consistently been the most popular event at the conference.

The Centre also recently became a member of the Academic Consortium for Integrative Medicine and Health. The Consortium was founded in 1999, and includes several of the world's leading medical schools, including those at Harvard, Stanford, Georgetown, Michigan and the Mayo Clinic. Having become recognized national leaders in medical curriculum innovation and change, the Centre has recently developed a set of integrative change leadership workshops, which have now been conducted at medical education conferences in ten cities within Canada and the United States.

## CH&E Faculty member featured in Public Health Spotlight

This year, **Dr. Nazeem Muhajarine** was interviewed and featured in two articles for the Public Health Spotlight (PH Spot) network. The online network provides a common platform for aspiring public health young professionals to get information and inspiration.

*There has never been a better time for a young person to go into Epidemiology than right now. A lot of brainpower is needed in public health to think laterally, expansively and deeply on a point. In addition, the tech industry is enabling us to do things that we were not able to do three years ago, from big data to capture data as you live, or wearable devices just to name a few.*

**Dr. Nazeem Muhajarine**

Founded in 2016 and based in Toronto, PH Spot is the leading career development spot for emerging public health professionals. PH Spot strives to connect young professional with up-to-date tools to guide your career path, build skills in the field of public health, and connect you with established professionals and peers on the same journey.



## Strengthening relationships with our community-based partners

In order to continue consolidating the Community and Workplace Centered Learning Experiences (CWCLE) for our medical students, staff from the Department of Community Health & Epidemiology visited each of the community-based partners in Saskatoon and Regina. Since June 2016, **Dr. Juan-Nicolas Pena-Sanchez**, the leader of the CWCLE module, has interviewed 18 representatives of community-based partners in Saskatoon. Additionally, Korean Skjonsby, Alexis Robb, and Juan-Nicolas visited 8 community-based agencies in Regina.



As a result of these visits, we learned more about the important work developed by the community-based agencies. We also received valuable feedback from the agencies to improve the 2016-2017 CWCLE module. The comments and suggestions obtained have been incorporated to enhance the community learning experiences for medical students this year. These experiences are designed to consolidate medical students' knowledge of the social determinants of health and understand the role that the agencies play working with vulnerable populations.





# Teaching & Learning

To foster self-directed, life long and  
collaborative learning



## Undergraduate Medical Education

The faculty members of the Department are closely involved in introducing concepts of population and community health to undergraduate medical students through courses and learning formats such as Medicine and Society, Clinical Integration, Community Service Learning, and Certificate in Global Health. Some faculty participate in committees such as the curriculum committee, program evaluation committee, medical education oversight committee, that are responsible for the design, implementation and evaluation of the undergraduate medical curriculum.

## Postgraduate Medical Education

### Public Health and Preventative Medicine (PHPM) Postgraduate MD Program

The Public Health and Preventative Medicine Postgraduate MD residency program is a medical postgraduate training program leading to Royal College certification as a specialist in Public Health and Preventive Medicine. This specialty focuses on the health of populations, on prevention, health promotion and health protection, using epidemiology and data analysis as its basic science.

## Graduate and Post-Graduate Education

### MSc Program in Community and Population Health Sciences

The Master of Science (MSc) program in Community and Population Health Sciences prepares students for academic careers, including pursuit of doctoral studies, or to work in a variety of research-intensive environments. Students learn about community and population health concepts, epidemiology, theory, and research; develop basic skills in qualitative and quantitative research methods and project management; and gain hands-on experience in research through the completion of a thesis. The M.Sc. in Community and Population Health Sciences is a thesis-based program that can be completed in two years of full-time study.

### PhD Program in Community and Population Health Sciences

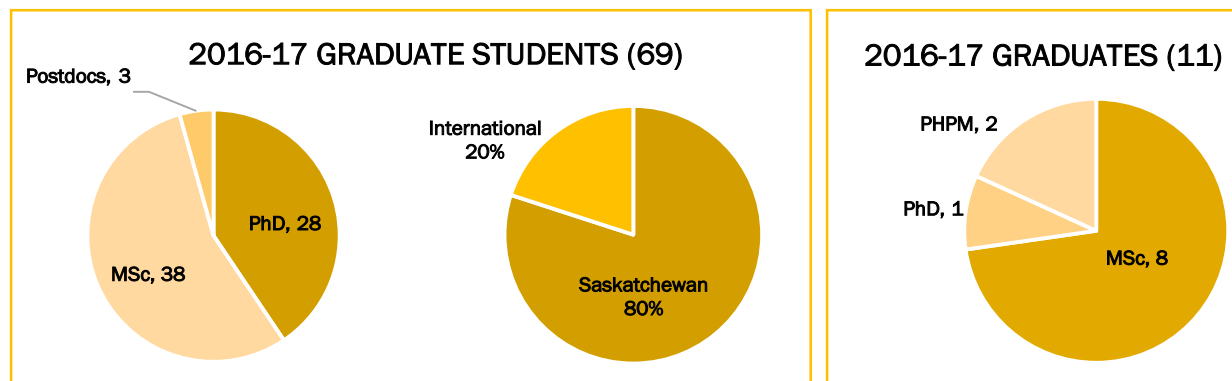
The doctorate (PhD) program in Community and Population Health Sciences is designed with considerable flexibility, recognizing that students come to the population health field with diverse backgrounds. This allows students, with their Advisory Committee, to create individualized programs that take into consideration their particular research interests and the areas in which they need additional development. Through coursework and seminars, students gain a more sophisticated understanding of community/population health theory and the research-policy-practice context. Designing and carrying out an independent research project provides an opportunity to further develop knowledge and skills around a specific problem.

### Postdoctoral Fellows in Community and Population Health Sciences

Postdoctoral fellows (PDF) in the Department of Community Health and Epidemiology further develop skills and knowledge in community and population health research that will help them become independent investigators. PDFs participate in the programs of research of their supervisors, leading independent inquiries within them and contributing to the overall intellectual development of supervisors' research areas. PDFs in our department also take advantage of professional development opportunities such as gaining teaching experience, and accessing workshops and other opportunities available at the University.

### Collaborative MSc and PhD Programs in Biostatistics

The Department is involved in the delivery of M.Sc. and Ph.D. programs in Biostatistics in collaboration with the Department of Math and Statistics and the School of Public Health.



## 2016-17 Student and Resident Research Day

The Department's Student and Resident Research Day was started in 2011 to give students the skills to present their research to a large audience. Each student presents orally and is then evaluated by two faculty members. A reception is held after the event and the top three presenters are awarded prizes. All of the Department's current graduate students, regardless of whether they are presenting, are required to register and attend Research Day.

Student and Resident Research Day was held on February 10, 2017 at the SaskTel Theatre in the Royal University Hospital. Our students and residents provide a glimpse of their research. This year there were 15 presentations overall with top prizes awarded to Daphne McRae, top PhD research presenter; Dr. Jasmine Hasselback, top PHPM Resident research presenter; and Lise Kossick-Kouri, top MSc research presenter. All the presentations were very well done and congratulations and certificates were given to all contributors.



Presenters (back to front, left to right): Larisa Lotoski, Daphne McRae, Dr. Lanre Medu, Dr. Hortense Nsoh Tabien, Dr. Rotimi Orisatoki, Akeem Salawu, Valerie Umaefulam, Lise Kossick-Kouri, Dr. Jasmine Hasselback, Oluwafemi Oluwole, Tamara Waldron, Hazel Williams-Roberts, Asma Khan, Missin Rabia Shahid.

Research Day winners (left to right): Daphne McRae, top PhD research presenter; Dr. Jasmine Hasselback, top PHPM Resident research presenter; and Lise Kossick-Kouri, top MSc research presenter



## 2016-17 Community Plunge

The second-year medical undergraduate students participated in the Community Plunge on September 28, 2016 as part of their Community and Workplace Centred Learning Experience module. This activity was organized by the Department (**Koreen Skjonsby** and **Dr. Juan-Nicolas Pena-Sanchez**) and the College of Medicine, in partnership with community members of Saskatoon and Regina. The aim of this activity was to introduce students to the needs of the populations living in the inner city and the role of community-based agencies.

The Plunge involved presentations on different topics by community leaders (Gilbert Kewistep, Neal Kewistep, Len Usiskin, Jason Jarotski, and Don Ragush in Saskatoon; and Jann Ticknor, Kelly Husack, Tom Janisch, and Lisa Workman in Regina), a community walk, and a guided reflection and discussion.

In Saskatoon, the session was facilitated by **Dr. Lori Hanson** and **Koreen Skjonsby** at Station 20th West. The community walk and debriefing discussion were led by Don Ragush, **James Dixon**, Chris Savoie, Yvonne Hanson, Kelley Bird-Naytowhow, Mike Skilnick, Chelsea Heidt, Natalya Mason, Dr. Ulrich Teucher, and **Dr. Anne Leis**. In Regina, the Plunge was facilitated by **Dr. Pena-Sanchez** and Alexis Robb. The session started at the Albert Scott Community Centre and finished at the AIDS Program South Saskatchewan. The community walk and debriefing session were led by Jann Ticknor, Lisa Workman, Sandra Pfeifer, Tom Janisch, Kelly Husack, and Lee Prosper.

The Department is thankful for the invaluable support and contributions received from the people who helped in the Community Plunges. Their passion and knowledge of the community they serve were critical to have a successful learning experience for undergraduate students.

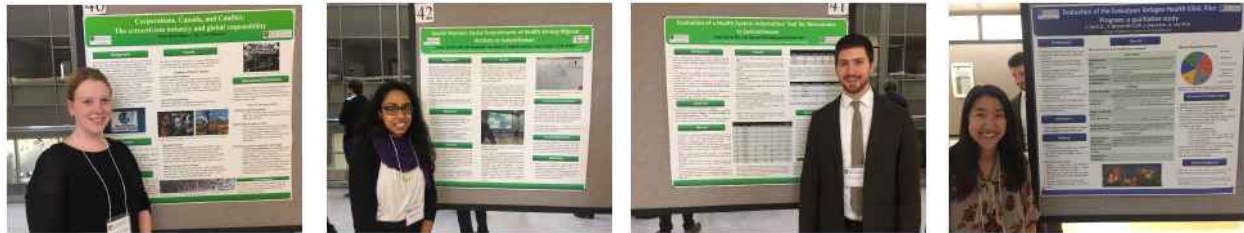


Candid photos taken during this year's plunge



## Fall Undergraduate Poster Day

The College of Medicine's Summer Dean's Research Projects were presented in the Fall Poster Day on October 14, 2016, held in the atrium of the Health Sciences Building. Five undergraduate students in the College of Medicine were supervised by faculty in the Department. Synny Lee placed second and Dylan Ginter received third in the competition.



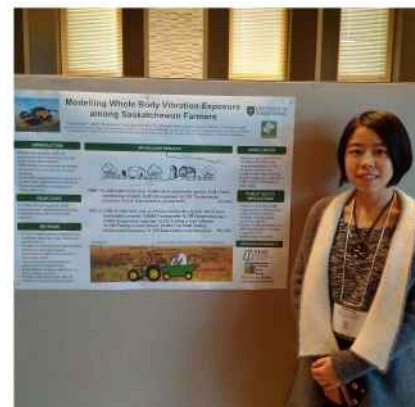
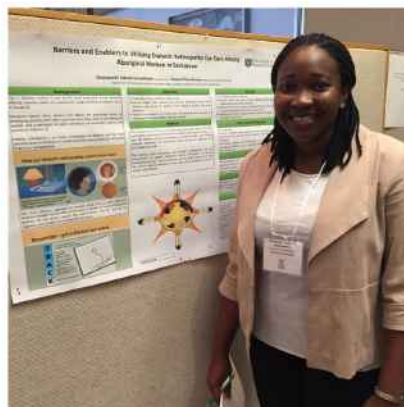
Poster Day Participants (left to right): Kate Ross-Hopley supervised by Dr. Lori Hanson, Sureni Gomis and Dylan Ginter co-supervised by Drs. Lori Hanson and Michael Schwandt, Synny Lee co-supervised by Drs. Anne Leis and Yvonne Blonde, and Susanna Keller (no photo) supervised by Dr. Michael Schwandt

## 2016 Saskatchewan Epidemiology Association Conference

The 2016 Saskatchewan Epidemiology Association (SEA) Conference poster competition was held on November 2, 2016 and was attended by the following graduate students from the Department: **Gbenga Adebayo, Grace Akinjobi, Farzana Ali, Adriana Angarita Fonseca, Ofosuhemaa Asante, Muhammad Khan, Rachel Malena-Chan, Sharmeen Raul, Jacinda Sigurdson, Valerie Umaefulam, Hazel Williams-Roberts and Xiaoke Zeng.**

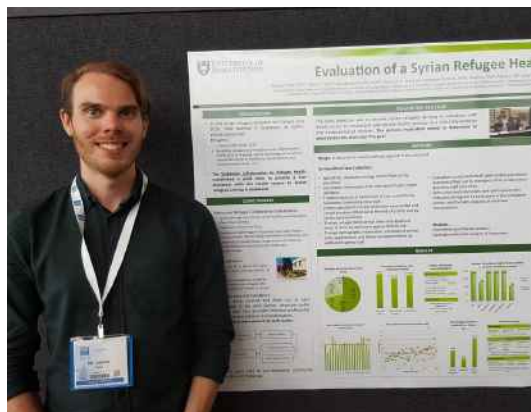


The top two prizes for posters were won by our students. First place was awarded to **Valerie Umaefulam** (left), PhD, for her poster entitled, "Barriers and Enablers to Utilizing Diabetic Retinopathy Eye Care Among Aboriginal Women in Saskatoon," while second place went to **Xiaoke Zeng** (right), MSc, for her poster, "Modelling Whole Body Vibration Exposure among Saskatchewan Farmers."



## 2016 Family Medicine Forum

The Family Medicine Forum, a conference primarily attended by physicians from all across Canada was held November 9 – 12, 2016 at the Vancouver Convention Centre in Vancouver, BC. **James Dixon**, MSc candidate in the Department, was a representative of a collaborative project entitled,



"the Syrian Refugee Health Clinic Evaluation." Their project was selected to do a poster presentation at the conference. James displayed and answered questions from various physicians about the poster.

*I met lots of great people, including Dr. Kevin Pottle from the Centre for Global Health in Ottawa who is actively working on guidelines for immigrant and refugee health on a global scale, and many other physicians working in clinics across Canada that serve refugees (Syrian and others).*

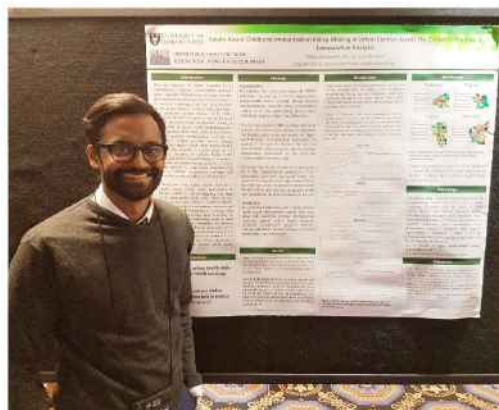
James Dixon

## 2017 Canadian Public Health Association Conference



The Canadian Public Health Association (CPHA) conference, Public Health 2017, was held June 6-8, 2017, in Halifax. **Rachel Malena-Chan** (left), MSc candidate in the Department, presented four posters during this conference: "Cultural relevancy within health promoting schools", "Indicators for health promotion: A narrative approach", "Health promotion impact stories: Saskatoon Mothers' Centre" and "Climate change engagement: Narrative frameworks for population health promotion."

In addition, **Thilina Bandara** (right), PhD candidate in the Department, presented his poster on his dissertation work on equity-based public health practice entitled, "Equity-based childhood immunization policy-making in urban centres across the Canadian Prairies: A comparative analysis."



## 2017 Canadian Student Health Research Forum

**Larisa Lotoski** and **Daphne McRae**, PhD candidates under the supervision of **Dr. Nazeem Muhajarine**, were both recognized for their research presentation excellence at the Canadian Student Health Research Forum held June 6-9, 2017 at the University of Manitoba. Daphne received an honorable mention and Larissa received a silver in the CIHR National Poster Competition.



## 2016-17 Postdoctoral Fellows



Postdoctoral fellows (left to right): Dr. Tracey Carr under the supervision of Dr. Gary Groot, Dr. Serene Kerpan under the supervision of Dr. Sylvia Abonyi, Dr. Amanda LaVallee under the supervision of Dr. Sylvia Abonyi

**Tracey Carr** taught the graduate class CHEP 802.3 “Community and Population Health Research Methods” for term one of the 2016-17 school year.

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## 2016-17 Graduate Scholarship Funding for our MSc and PhD students

<b>Saskatchewan Innovation Scholarship</b>	Liliana Rodriguez, Tracy Everitt , Thilina Bandara
<b>Departmental Indigenous Scholarship</b>	Valerie Umaefulam
<b>CCHSA Founding Chairs Fellowship</b>	Adriana Angarita Fonseca
<b>CIHR Travel Funding</b>	Larisa Lotoski
<b>CoMGrad Scholarships</b>	Adriana Angarita Fonseca, James Dixon, Rachel Malena-Chan
<b>Dean’s Scholarship</b>	Amir Azizian, Joelle Schaefer
<b>Devolved CGPS</b>	April Liu (biostatistics), Valerie Umaefulam
<b>Devolved CGSR</b>	Tracey-Ann Hewitt-Stitchell, Saydi Harlton, Liliana Rodriguez, Zane Tymchak, Lindsey Wagner, Nikki Rewuski, Omowumi Obafemi, Kavitha Ramachandran
<b>Devolved CGSR Tuition</b>	Gbenga Adegoke, Lise Kossick-Kouri
<b>Deutscher Akademischer Austauschdienst Travel Grant</b>	Marcus Ilesanmi
<b>Devolved College of Medicine</b>	Adriana Angarita Fonseca, Tamara Waldron, Yanzhao (Alex) Cheng (biostatistics), James Dixon, Farzana Ali
<b>GTF</b>	James Dixon, Farzana Ali
<b>iTrap</b>	Rachel Malena-Chan, Marcus Ilesanmi

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## The New Medicine & Society Cluster

In 2017, the interdisciplinary and interdepartmental team of instructors teaching the Medicine & Society (M&S) courses to undergraduate medical students proposed and consolidated the M&S research cluster. This is a new Scholarship of Teaching and Learning (SoTL) cluster recently funded by the Gwenna Moss Centre.

Acknowledging that teaching and learning are inextricably linked, the M&S cluster aims to better understand students' perspectives about the teaching methods and seek feedback from

our community partners involved in teaching activities to improve the M&S courses.

The M&S cluster is comprised of faculty members from the Departments of Community Health & Epidemiology, Paediatrics, Internal Medicine, Family Medicine, and Psychology. This initiative is co-led by **Dr. Marcel D'Eon** and **Dr. Juan-Nicolas Pena-Sanchez**. The team had its inception meeting on April 12, 2017.

The M&S cluster has three evaluation projects in process, and several more coming.

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## Public Health and Preventive Medicine Residents

In 2016-17, the Department's Public Health and Preventive Medicine (PHPM) residents met every Friday for the program's Academic Half Day, to discuss a range of topics in their specialty. They also met once a month for Journal Club, usually the last Friday of the month.



Photos (left to right, top to bottom): PHPM Academic Half Day, Getting ready for Journal Club, PHPM resident field trip, Epidemiology session for the residents during Academic Half Day

## Congratulations Graduates!

### 2016-17 Programs in Community and Population Health Sciences Graduates



Caitlin Olauson,  
MSc



Benedicta Asante,  
MSc



Hasanthi Abeykoon,  
MSc



Lakshmi Balakrishnan,  
MSc



Peter Boaten Opoku,  
MSc



Ruh Afza,  
MSc



Sharmeen Rasul,  
MSc



Xiaoke Zeng,  
MSc



Shahid Ahmed,  
PhD

A special tea was held in the Health Sciences D-wing atrium for the fall 2016 and spring 2017 graduates and PHPM residents in the Department of Community Health and Epidemiology. Every graduate, whether they attended or not, was honoured by a short tribute to them from their supervisor or preceptor or the graduate chair.

This year there were two \$500 50th Anniversary Legacy Awards granted during this ceremony. One Legacy Award went to Hasanthi Abeykoon, MSc, and the other went to Caitlin Olauson, MSc.



In May 2017, the Department's Public Health and Preventive Medicine residency program graduated two residents. Photo to left shows **Dr. Jasmine Hasselback**, Dr. Cory Neudorf (Director of the residency program) and **Dr. Olanrewaju [Lanre] Medu** with their certificates.



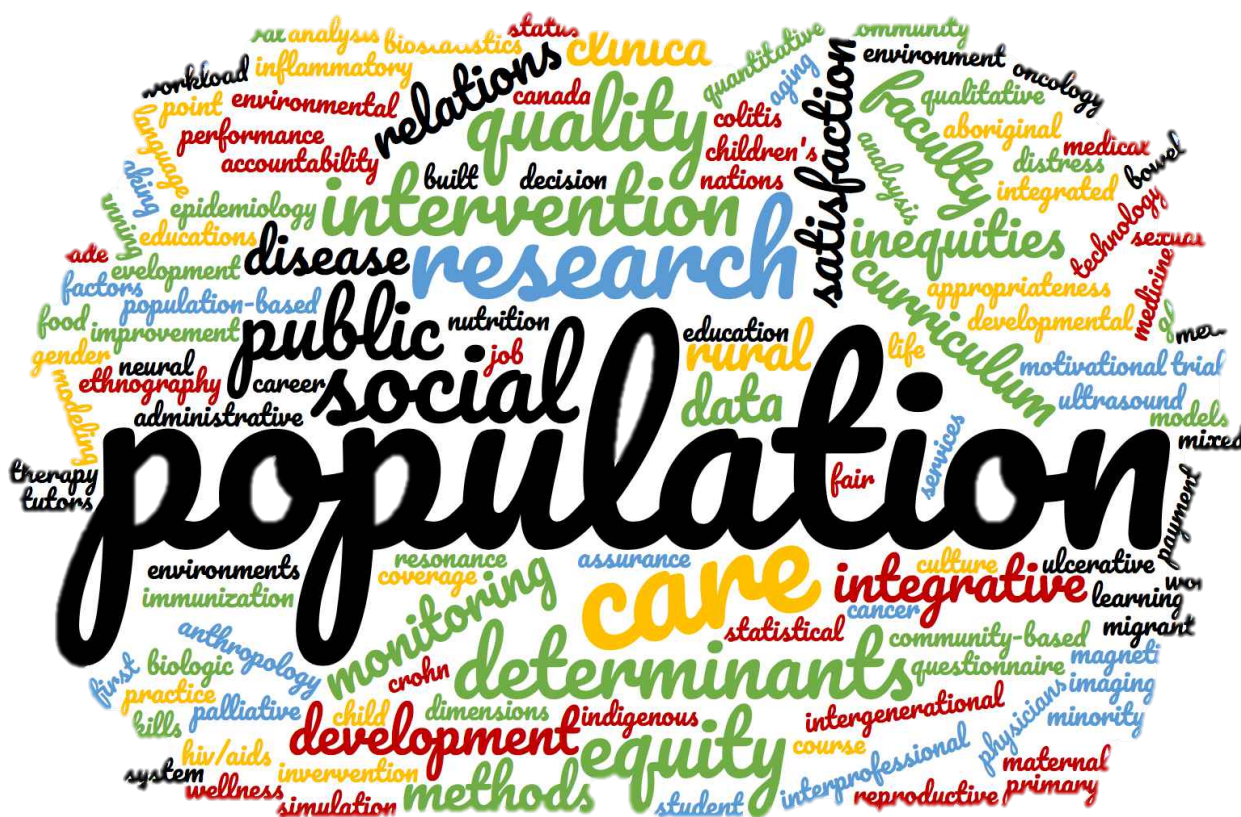
# Research

To conduct excellent, interdisciplinary and transdisciplinary research in population health with a focus on inequities locally and globally





## Our Research Themes



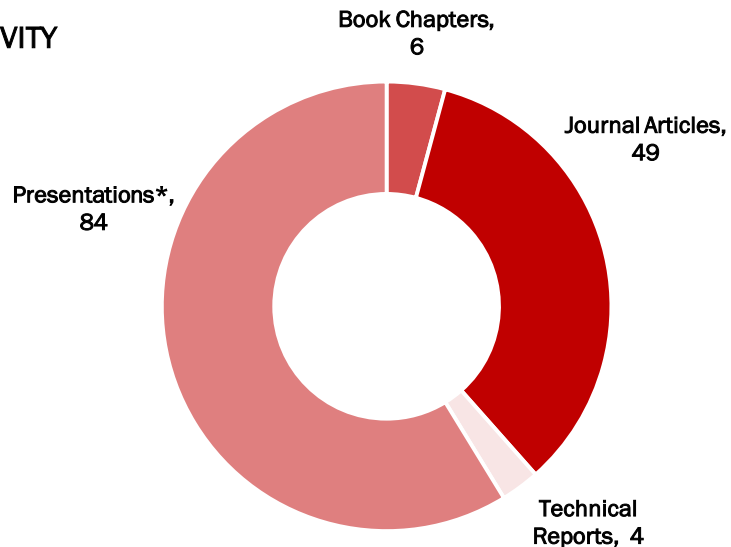
The Department has a long history of intensive, engaged, well-funded and productive clinical, health services, and population health research. We are concerned with understanding the individual and collective factors that determine health and applying this knowledge to maintain and improve the health status of populations as well as reduce inequities in health determinants and outcomes. Our faculty is diverse in member backgrounds and disciplines (e.g. public health and preventative medicine, psychiatry, surgery, family medicine, anthropology, sociology, psychology, nutrition, education, epidemiology, biostatistics, interdisciplinary and community based training). Our collective wealth of experience fosters cutting edge research and trainee opportunities. Research highlights in this annual report reveal community based approaches and funding success from a variety of sources (tri-council, government, health research foundations, and NGOs) as areas of strength in CH&E.



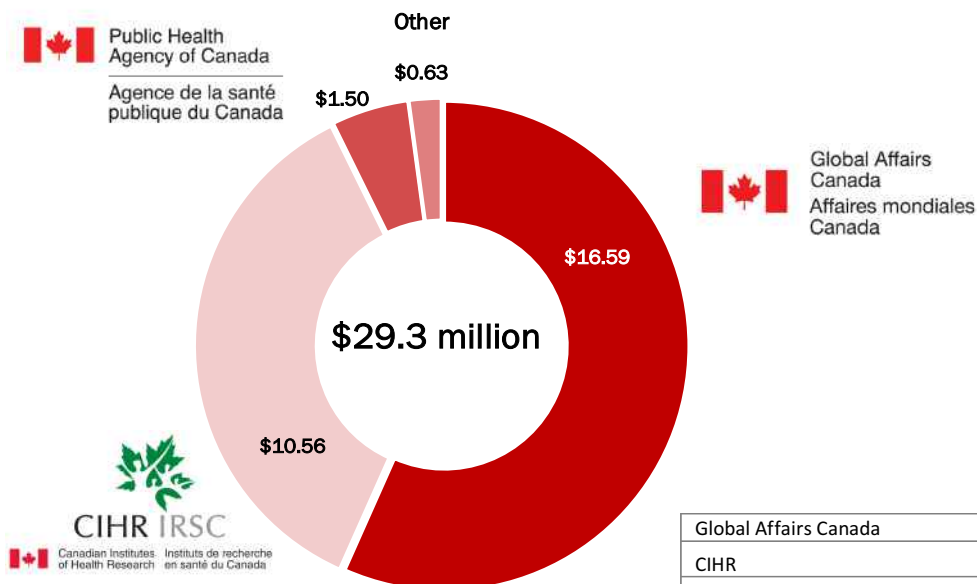
## 2016-17 RESEARCH PRODUCTIVITY

In 2016-17 the Department completed a high-level of research. Faculty contributed to book chapters, journal articles, conference proceedings and technical reports. Faculty also presented at a variety of conferences; including presentations abroad in countries such as South Korea, Norway, Tunisia, the United States, and Thailand.

*\*Includes papers, conference presentations and lectures, public lectures, and colloquiums.*



## 2016-17 RESEARCH FUNDING BY SOURCE (millions)



In 2016-17, **Global Affairs Canada** was the Department's largest provider of funding. This \$16.6 million in funding provides support for a multi-year intervention project (2017-2022): *Engaging Communities and Health Workers to Reduce Maternal and Newborn Mortality in Inhambane, Mozambique*. The project is being led by Dr. Nazeem Muhajarine and the team includes Dr. Sylvia Abonyi, members of the Department. Find the research feature on this project on page 36.

Global Affairs Canada	\$16,594,496
CIHR	\$10,561,337
PHAC	\$1,500,000
SSHRC	\$364,815
Canadian Cancer Society Research Institute	\$99,029
SHRF	\$50,000
CoMRAD	\$30,000
Statistics Canada	\$20,000
Gwenna Moss Centre	\$20,000
RUH Hospital Foundation	\$17,000
College of Medicine	\$15,900
University of Saskatchewan	\$10,000
Massage Therapy Assoc. of SK	\$5,600
<b>2016-17 Total</b>	<b>\$29,288,177</b>

## Inaugural Faculty and Associates Research Event



Faculty presenters and attendees (left to right, back to front): Dr. Lori Hanson, Dr. Sylvia Abonyi, Dr. Ulrich Teucher, Dr. Michael Schwandt, Dr. Gary Groot, Dr. Cory Neudorf, Dr. Catherine Trask, Dr. Juan-Nicholas Pena-Sanchez, Dr. Kalyani Premkumar, Dr. Anne Leis, Dr. Nazeem Muhajarine, Dr. Rachel Engler-Stringer, Dr. Punam Pahwa, Dr. Bonnie Janzen and Dr. Hyun Lim. Missing: Dr. Michael Epstein, Dr. Josh Lawson and Dr. Vivian Ramsden.

The Inaugural Community Health and Epidemiology Faculty and Associates Research Event was held in 2016. The event, titled *A Medley of Community*,

*Population Health and Medical Education Research Presentations*, took place on Friday, November 25, 2016, in Royal University Hospital's SaskTel Theatre. Thirteen presenters showcased some of their current research:

**Michael Epstein**

**Sylvia Abonyi**

**Nazeem Muhajarine**

**Lori Hanson**

**Josh Lawson**

**Kalyani Premkumar**

**Michael Schwandt**

**Lilian Thorpe**

**Vivian Ramsden**

**Hyun Lim**

**Juan-Nicholas Pena-Sanchez**

**Jack Hicks**

**Marcel D'Eon**

Evidence-based medicine: What it is, What it isn't, and Why it matters

Anthropometric Indices of First Nations Children and Youth on First Entry to Manitoba/Saskatchewan Residential Schools – 1919 to 1953

Populations, Places and Children: Research to Inform Practice, Policy and Advocacy

“Socially Responsible” Canadian Mining and Community Resistance: A Nicaragua Case Study

Childhood Asthma Across an Urban-Rural Gradient.

Self-directed Learning Readiness of Medical Students: Mixed Method Studies

Social and Environmental Determinants of Health

An Evaluation of a Long-Term Care Walking and Socialization Program: Impact on Injurious Falls

Enhanced and Integrated Pathways to Wellness: A Teams Advancing Patient Experience to Strengthen Quality (TAPESTRY) Initiative with Sturgeon Lake First Nation

Multidimensional Construct of Life Satisfaction in Older Adults in Korea: A Six-Year Follow-up Study

The Impact of an Integrated Model of Care for Inflammatory Bowel Disease – Population-Based Evidence from Saskatchewan, Canada.

Cohort Effects in the Decline of Suicide Rates among Some Segments of the Inuit Population

Curricular Footprint: What's really happening out there?



Presenters (left to right): Dr. Josh Lawson, Dr. Michael Epstein, Dr. Vivian Ramsden

## Clinical Research Support Unit (CRSU)

The Clinical Research Support Unit (CRSU) helps build research capacity within the College of Medicine and is directed by Dr. Hyun J. Lim of the Department. A special thanks to Dr. Punam Pahwa who was acting director for 6 months while Dr. Lim was on sabbatical. The CRSU contributed to 82 projects from twelve departments within the College of Medicine during the 2016-17 academic year. The amount of support varied broadly depending on type(s) of support requested, degree of complexity in study design/data, level of investigator's research expertise, and final utilization of results. The majority of requests were for support related to data analysis (50% of projects), design advice (23%), and manuscript review/written contribution (24%). Seventeen publications to date have been generated from projects supported during this academic year.

The Department of CH&E utilized the CRSU service for nine projects in 2016-17, varying in nature from health service utilization and outbreak prediction to complimentary cancer therapy and diabetic complication prevention.

CRSU thank you lunch:

(back) Dr. Prosanta Mondal (Biostatistician), Alex Cheng (student assistant)

(front) Dr. Hyun Lim (director), Kathy Evans (support), Dr. Rhonda Bryce (research staff), Cheryl Bolster (support)



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## Postdoctoral Fellow Awards

**Dr. Serene Kerpan**, postdoctoral fellow in the Department, under the supervision of Drs. Sylvia Abonyi and Sarah Oosman, was awarded the SHRF Top Postdoctoral Research Fellowship in the Socio-Healthy category for \$100,000 for her research "Bringing Together Physical Activity and Culture to Promote Mental Health for Indigenous Youth."

**Dr. Tracey Carr**, postdoctoral fellow in the Department under the supervision of Dr. Gary Groot, was awarded a 2017 SCPOR Fellowship valued at \$45,000 from the College of Medicine and the Saskatchewan Centre for Patient Oriented Research.

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## Saskatchewan Health Research Foundation Santé Awards

The annual Saskatchewan Health Research Foundation (SHRF) Santé Awards recognized **Dr. Michael Schwandt** and his team with the 2016-2017 Targeted Collaborative Innovation Development Grant (SPOR) for their topic *The Patient-Provider Toolkit: Using a Community-Based Research Approach to Support HIV+ Patients Accessing Health Care*.

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## Research Highlight: From Quality Improvement to Shared-decision Making: Dr. Gary Groot makes strides in improving health quality in Saskatchewan

Dr. Gary Groot's research career began well before he joined the Department of Community Health and Epidemiology back in 2015. His years working as a surgical oncologist combined with the clinical quality improvement work that he co-chaired for the Ministry of Health have significantly informed his research agenda, which is primarily focused on establishing a program of clinical quality improvement/health services research.

Early on Gary identified the importance of understanding exactly how Shared Decision-Making (SDM) works in a clinical setting to optimize patient centered care. As an active clinician he understood the importance of context in trying to understand and effectively implement complex interventions such as SDM. Therefore, he chose an approach to his research that would address that complexity. Using a realist approach Gary's research examines how mechanisms such as trust, anxiety, world view and perceptions of other party capacity play a role in SDM. The hallmark of Gary's realist research has been the close collaborative work he has done working alongside leaders in Indigenous healthcare and Indigenous cancer patients themselves.

It has been a busy year for Gary who since July of last year has dedicated his research towards these two research endeavors: Quality Improvement and Shared-Decision Making (SDM).

In summer 2017, Gary's work looking at applying realist methodology to form a program theory of SDM took him to Lyon, France where he presented at the 9th Annual International Shared Decision Making Conference. In October he also presented at the 2nd International CARES Conference in London, England.

Between his trips abroad Gary worked tirelessly to help launch the Clinical Quality Improvement Program (CQIP). The first research program of its kind in Canada, it provides Saskatchewan clinicians with high-calibre Quality Improvement training. The program – modelled on the internationally recognized mini Advanced Training Program developed by Intermountain Healthcare in Salt Lake City, Utah – is an 11-month course. It offers a mix of theory, experiential learning, individual coaching and a community of practice for clinicians who want to develop a quality improvement project. The program empowers physicians to play a more critical role as a driving force to improve care for all residents and allows them to develop innovative clinical solutions to some of our most pressing care problems.

Gary's research in Community Health and Epidemiology speaks to the core values of the department. Looking ahead to this year, he hopes to continue to work towards ensuring the people of Saskatchewan experience greater health equity and optimal health.



Gary presenting at the 9th Annual International Shared Decision Making Conference in Lyon, France.



## Research Highlight: \$16.6 million award for Mozambique maternal health project

An intervention project aiming to reduce maternal deaths in Mozambique, received \$16.6 million over the next five years from Global Affairs Canada in April 2017.

Nazeem Muhajarine, professor, Community Health and Epidemiology, and Director, Saskatchewan Population Health and Evaluation Research Unit (SPHERU and the Department), is leading a team to improve health services for women and address barriers at the community and systems-level that prevent women's access to care in Mozambique. The Canadian team members include Denise Kouri (project director), Sylvia Abonyi (SPHERU), Jessie Forsyth (Hamilton and Saskatoon), Eddie Rooke (Division of Social Accountability), Mahli Brindamour (Pediatrics), Don Kossick (Saskatoon), Joanne Blythe (Saskatoon), Tanya Dunn-Pierce (Saskatoon), Murray Dickson (Saskatoon) and Rachel Gough (St. John's).

The team is partnering with the Ministry of Health, Mozambique and the Health Directorate in Inhambane Province. Mozambique has one of the highest maternal mortality rates in the world – 489 deaths per 100,000 live births in 2015.

It is anticipated that 25 University of Saskatchewan undergraduate and graduate students in medicine, nursing, nutrition, and physiotherapy will be working on the project.

The Mozambique maternal health project will aim to improve birth conditions in 20 rural communities in five health districts in Inhambane by:

- Training about 200 new health care workers, to improve practitioners' training and responses to women's needs in maternity clinics.
- Hiring a dozen staff members, consultants, and five community workers in communities to educate people about gender equity, women's sexual and reproductive rights, and empower women to use health facilities.
- Educating youth about gender equity and improve rights and health of adolescent girls by visiting schools with workers and health ministry staff.
- Purchasing three ambulances for district hospitals, and 20 specially equipped off-road vehicles in the communities.

- Creating a supportive network between local midwives, traditional healers and women's leaders.
- Building five maternal clinics and renovate five existing clinics.
- Building 10 waiting houses, so women nearing their due date will be relocated close to a hospital.
- Determining if waiting homes are effective in delivering better outcomes for women.



*SPHERU is an interdisciplinary, bi-university research unit at the University of Saskatchewan and the University of Regina. The unit conducts intervention research to address issues of health inequity among vulnerable populations with a focus on children, rural older adults, and northern and Indigenous populations.*

## Research Highlight: Promoting good health in Canadian cities – \$4 million in research funds from CIHR

Department faculty and affiliates are centrally involved in two new projects funded by CIHR focusing on healthy cities: MUSE and INTERACT. Funded through the CIHR Environments and Health: Intersectoral Prevention Research 5-year team grants, these projects got underway in late 2016 with Community Health and Epidemiology centrally involved.

Dr. Nazeem Muhajarine, professor, Community Health and Epidemiology, and Director, Saskatchewan Population Health and Evaluation Research Unit (SPHERU) is working alongside two Montreal researchers, Dr. Lise Gauvin, and Dr. Marie-France Raynault, as a national academic lead of the project Multisectoral Urban Systems for Health and Equity in Canadian Cities (MUSE). The multidisciplinary team also includes public health officials, including Dr. Cory Neudorf, Chief Medical Health Officer, Saskatchewan Health Authority, and associate professor, Community Health and Epidemiology and his colleagues in the Urban Public Health Network. The team is focusing on Multisectoral Partnerships between health organizations and municipalities to transform built environments, and the built environment interventions that arise from them, including how they are received by urban populations. The results of the study

could help cities learn from each other's approaches to partnerships and interventions. New evidence could also help explain why urban populations may or may not be receptive to new public initiatives, and how this differs across and within Canadian cities.

Dr. Daniel Fuller, associate researcher, SPHERU, and assistant professor, Memorial University of Newfoundland, is one of three national co-Principal Investigators of the project Interventions, Research and Action in Cities Team (INTERACT) that was also funded for 5 years in 2016. It works in 4 cities (Montreal, Saskatoon, Vancouver and Victoria) alongside local teams to measure the impact of changes to the urban form on physical activity, social participation, and well-being, as well as inequalities in these outcomes. INTERACT is creating and refining cutting-edge methodological tools to be used to advance the understanding intersectoral urban form and to conduct health research. The program is looking at an urban form change in each of the four INTERACT cities, the first of which is the All Ages and Abilities Cycling network in Victoria, where a first round of data has already been collected. The Saskatoon team includes Nazeem Muhajarine as local lead, alongside researchers from the departments of Computer Science and Geography, and Daniel Fuller.

Locally, both MUSE and INTERACT are coordinated and supported by SPHERU staff (Margot Gough and Kristen McEwen), and involve trainees in the Department, as well as from the College of Medicine.



# Appendix A

2016-17 Research Productivity

## Research Productivity 2016-17

### Journal Articles (Refereed, in Press and Published)

- 2017-06 **Pahwa P**, Karunanayake C, Rennie DC, Lawson JA, Ramsden VR, McMullin K, Gardipy PJ, MacDonald J, **Abonyi S**, Episkenew J-A, Dosman JA, First Nations Lung Health Project Team. Prevalence and associated risk factors of chronic bronchitis in First Nations people. *BMC Pulmonary Medicine*. 2017 Jun 29;17 (95):1-10. Epub 2017 Jun 29.
- 2017-06 **Thorpe L**, Whiting SJ, Li W, Dust W, Hadjistavropoulos T, Teare G. The incidence of hip fractures in long-term care homes from 2008 to 2012: An analysis of provincial administrative databases. *Can Geriatr J*. 2017 Sep; 20 (3): 97–104.
- 2017-06 Benchimol EI, Kaplan GG, Otley AR, Nguyen GC, Underwood FE, Guttman A, Jones JL, Potter BK, Catley CA, Nugent Z, Cui Y, Tanyingoh D, Mojaverian N, Bittton A, Carroll MW, deBruyn J, Dummer TJB, El-Matary W, Griffiths AM, Jacobson K, Kuenzig ME, Leddin D, Lix LM, Mack DR, Murthy S, **Peña-Sánchez JN**, Singh H, Targownik L, Vutcovici M, Bernstein CN. Rural and urban residence during early life is associated with risk of inflammatory bowel disease: A population-based inception and birth cohort study. *American Journal of Gastroenterology*. 2017; 112:1412-22. <http://dx.doi.org/10.1038/ajg.2017.208>
- 2017-06 Verity R, Leswick D, Burbridge B, Bryce R, **Lim HJ**. Quality of Computed Tomography Pulmonary Embolism and Aortic Phase Images Acquired with Power Injection via an Arm Port. *Journal of the Association for Vascular Access*. 2017 Jun;22: 88-92.
- 2017-06 **Premkumar K**, Saxena A. Social accountability in medical schools versus corporate social responsibility in businesses. *MedEd Publish*. 2017 Jun. <https://www.mededpublish.org/manuscripts/1039/v1>. DOI: <https://doi.org/10.15694/mep.2017.000102>
- 2017-06 **Abonyi S**, Mayan M, Boffa J. “Finally when I started falling down”: Indigenous TB Patient Experiences of Health and Illness on the Canadian Prairies. *International Journal of Indigenous Health*. 2017 Jun;12(1):2-23. Epub 2017 Jun.
- 2017-06 Balakrishnan L, Rennie D, Dosman J, **Pahwa P**, Karunanayake C, Hagel L, Lawson J. Lung function in relation to farm dwelling and farming activities in rural dwelling children. *Respirology*, doi: 10.1111/resp.13097. Epub 2017 Jun 2
- 2017-06 Orisatoki R, Quail J, Osman M, Teare G, **Schwandt M**, **Neudorf C**. Concurrent Mental Health and Substance Use Disorders among Frequent Emergency Department Users in Saskatchewan, Canada. *Canadian Journal of Addiction*. 2017; 8(1): 11-17.
- 2017-06 Hudon C, Chounaird M-C, Aubrey-Brassler K, **Muhajarine N**, Burge F, Pluye P, et al. BMJ Open. Case management in primary care among frequent users of healthcare services with chronic conditions: protocol of a realist synthesis. 2017 Jun;7:e017701(9). Epub 2017 Jun. doi:10.1136/bmjopen-2017-017701.
- 2017-05 **Groot G**, Waldron T, Carr T, McMullen L, Bandura L-A, Neufeld S-M, Duncan V. Development of a program theory for shared decision-making: a realist review protocol. *Systematic Reviews*. 2017;6(114). Epub 2017 May 31.
- 2017-05 Ward S, Belanger M, Donovan D, Vatanparast H, **Muhajarine N**, **Engler-Stringer R**, **Leis A**, Humbert L, Carrier N. Association between childcare educators' practices and preschoolers' physical activity and dietary intake: A cross-sectional analysis. *BMJ Open*. 2017 May 30;7(e013657). doi: 10.1136/bmjopen-2016-013657.



- 2017-05 Ward S, Belanger M, Donovan D, Vatanparast H, **Engler-Stringer R**, **Leis A**, Carrier N. Lunch is ready but not healthy: An analysis of lunches served in childcare centres in two Canadian provinces. *Can J Public Health* 2017;108 (4):e342–e347. doi: 10.17269/CJPH.108.5688
- 2017-05 Marchildon GP, Beck CA, Rennie DC, Katapally TR, **Abonyi S**, Dosman JA, Episkew J-A. Bifurcation of Health Policy Regimes: A Study of Sleep Apnea Care and Benefits Coverage in Saskatchewan. *Healthcare Policy*. 2017 May;12(4):69-85. Epub 2017 May.
- 2017-05 Hasselback J, Fuller D, **Schwandt M**. Choosing tools for building healthy spaces: a global overview. *Cities & Health*. 2017 May:1-7.
- 2017-05 Karjala G, Leswick D, Anderson T, Toews L, Lee CH, **Lim HJ**, Chatterson L. The Effect of Extrinsic Material and Radiation Dose on MBIR CT Reconstruction Time: A Phantom Study. *Journal of Medical Imaging and Radiation Sciences*. 2017 May. Epub 2017 May 25. doi.org/10.1016/j.jmir.2017.04.001.
- 2017-04 **Hanson L**. From reflexivity to collectivity: Challenging the benevolence narrative in Global Health. *Canadian Medical Education Journal*. 2017 Apr;8(2):e1-e3. Epub 2017 Apr. <http://www.cmej.ca>.
- 2017-04 Luan C, **Pahwa P**. Prevalence and associated factors for self-reported asthma in a Canadian population: The Canadian Community Health Survey, 2014. *Journal of Asthma*, doi: 10.1080/02770903.2017.1310228. Epub 2017 Apr 28
- 2017-04 **Lim HJ**, Min DK, **Thorpe L**, Lee CH. Trajectories of Life Satisfaction and their Predictors among Korean Older Adults. *BMC Geriatrics*. 2017 Apr 19;17. DOI 10.1186/s12877-017-0485-5.
- 2017-04 Prystajek M, Lee T, Ward S, **Abonyi S**, Perry R. Expectations, Shortcomings, and Opportunities for Improvement: A Focus Group Study of Daily Interprofessional Rounds. *Journal of Interprofessional Care*. 2017 Apr 13;31(4):463-469. Epub 2017 Apr 13.
- 2017-03 Prystajek M, Lee T, **Abonyi S**, Perry R, Ward H. A case study of healthcare providers' goals during interprofessional rounds. *Journal of Interprofessional Care*. 2017 Mar 17;31(4):463-469. Epub 2017 Mar 17.
- 2017-03 Abeykoon H, **Engler-Stringer R**, **Muhajarine N**. Health-Related Outcomes of New Grocery Store Interventions: A Systematic Review. *Public Health Nutrition*. 2017 Mar 17.
- 2017-03 Medu O, Turner H, Cushon JA, Melis D, Rea L, Abdellatif T, **Neudorf CO**, **Schwandt M**. Restaurant inspection frequency: The RestoFreq Study. *Canadian Journal of Public Health*. 2017 Mar 1;107(6):e533-e537.
- 2017-03 B, Stoneham G, **Lim HJ**, Lee C. Radiology Implanted Forearm Ports: A Review of the Literature. *Journal of the Association for Vascular Access*. 2017 Mar;22:22-30.
- 2017-02 Alcorn J, Whiting S, Viveky N, Di Y, Mansell K, Fowler S, **Thorpe L**, Almousa A, Cheng PC, Jones J, Billinsky J, Hadjstavropoulos T. Protocol for a 24-Week Randomized Controlled Study of Once-Daily Oral Dose of Flax Lignan to Healthy Older Adults. *JMIR Res Protoc*. 2017 Feb 3;6(2):e14. doi: 10.2196/resprot.6817.
- 2017-02 **Janzen B**, Karunanayake C, Rennie D, Pickett W, Lawson J, Kirychuk S, Hagel L, Senthilselvan A, Koehncke N, Dosman J, **Pahwa P**, Saskatchewan Rural Health Study Team. Gender Differences in the Association of Individual and Contextual Exposures with Lung Function in a Rural Canadian Population. *Lung*. 2017 Feb;195(1):43-52.

- 2017-02 Suo AE, Iqbal U, **Lim HJ**, Lee CH, Gesy K, Iqbal N, Abbas T. Outcomes and drug costs of sunitinib regimens for metastatic renal cell carcinoma: a provincial population-based study. *Clinical Genitourinary Cancer*. 2017 Feb;15:397-404
- 2017-02 Sari N, **Muhajarine N**, Froehlich Chow A. The Saskatchewan/New Brunswick Healthy Start-Départ Santé intervention: implementation cost estimates of a physical activity and healthy eating intervention in early learning centers. *BMC Health Service Research*. 2017 Feb;17:57.
- 2017-01 Ward S, Bélanger M, Donovan D, Boudreau J, Vatanparast H, **Muhajarine N**, **Leis A**, Humbert L, Carrier N. "Monkey see, monkey do": Peers' behaviors predict preschoolers' physical activity and dietary intake in childcare centers. *Preventive Medicine* 2017 Volume 97, April, Pages 33-39. <http://dx.doi.org/10.1016/j.ypmed.2017.01.001>
- 2017-01 Hinthner K, Harriman S, **Groot G**, Klassen J. The Effect of Standardized Order Set for Intravenous Calcium Treatment on the Length of Hospital Stay in Secondary Hyperparathyroidism following Parathyroidectomy. *Journal of Surgery Open Access*. 2017 Jan;3(3). Epub 2017 Jan.
- 2017-01 Legge D, Shuftan C, Baum F, van de Pas R, Sanders D, **Hanson L**, McCoy D, Sengupta A. Comment - WHO's Weakness is not technical, but due to lack of accountability. *BMJ Global Health*. 2017 Jan(Suppl 2):12. Epub 2017 Jan.
- 2017-01 Lawson J, Luan C, Rennie D, Hagel L, Karunanayake C, **Pahwa P**, Dosman J. Prevalence, risk factors, and clinical outcomes of atopic and nonatopic asthma among rural children. *Annals of Allergy, Asthma & Immunology*. 2017 Jan;118(3):304-310.
- 2017-01 Webb S, Janus M, Duku E, Raos R, Brownel M, Forer B, Guhn M, **Muhajarine N**. Neighbourhood socioeconomic status indices and early childhood development.. *SSM - Population Health*. 2017 Jan;3:48- 56. DOI: 10.1016/j.ssmph.2016.11.006.
- 2016-12 Gu J, **Groot G**, Holtslander L, **Engler-Stringer R**. Understanding Women's Choice of Mastectomy Versus Breast Conserving Therapy in Early Stage Breast Cancer. *Clinical Medicine Insights: Oncology*. 2016 Dec 15.
- 2016-12 Hatala A, Erickson L, Isbister-Bear O, Calvez S, Naytowhow K, Butt O, **Engler-Stringer R**, Downe P. The Interpersonal Skills of Community-Engaged Scholarship. *Journal of Community Engagement and Scholarship*. 2016 Dec 14.
- 2016-12 Le TC, Nguyen QC, Tran HT, **Schwandt M**, **Lim HJ**. HIV Prevalence and Correlates of Needle Sharing Behavior among Male Injecting Drug Users in Vietnam. *J Epidemiology Public Health Rev*<https://cvms.usask.ca/faculty.seam?cid=7626#>. 2016 Dec(1). doi <http://dx.doi.org/10.16966/2471-8211.134>.
- 2016-12 Vanderby S, Badea A, **Peña-Sánchez JN**, Kalra N, Babyn P. Variations in MRI provision and processes among Canadian Academic Centres. *Canadian Association of Radiologist Journal*. 2016; 68:56-65.
- 2016-11 **Lim HJ**, Min DK, **Thorpe L**, Lee C. Multidimensional construct of life satisfaction in the elderly in Korea: A six-year follow-up study. *BMC Geriatrics*. 2016 Nov 28;16(197). Epub 2016 Nov 28. oi: 10.1186/s12877-016-0369-0.
- 2016-10 Ndubuka NO, **Lim HJ**, Wal DM, Ehlers VJ. Health related quality of life of antiretroviral treatment defaulters in Botswana. *Southern African Journal of HIV Medicine*. 2016 Oct;17. doi: 10.4102/sajhivmed.v17i1.475.

- 2016-09 Wang JT, Babyn P, **Groot G**, Otani R. Electronic Synoptic Reporting of Thyroid Nodules: Potential for Reduction in Number of Patients Undergoing Thyroid Nodule Biopsies. *Open Journal of Radiology*. 2016 Sep 2;6:233-242.
- 2016-09 Burbridge B, Chan IY, Bryce R, **Lim HJ**, Stoneham G, Haaga H, Roh C. Satisfaction and Quality of Life Related to Chemotherapy with an Arm Port: A Pilot Study. *Canadian Association of Radiologists*. 2016 Sep. <http://dx.doi.org/10.1016/j.carj.2015.11.007>
- 2016-09 Irving B, Leswick D, Fladeland D, **Lim HJ**, Bryce R. Knowing the Enemy: Health Care Provider Knowledge of Computed Tomography Radiation Dose and Associated Risks. *Journal of Medical Imaging and Radiation Science*. 2016 Sep;47:243-250.
- 2016-09 Prokopchuk-Gauk O, Rosin MW, Mycyk TR, **Lim HJ**, Brose K. Dual-route tranexamic acid to reduce blood loss in coronary artery bypass graft surgery: a randomized controlled trial. *Canadian Journal of Anesthesia*. 2016 Sep. doi: 10.1007/s12630-016-0684-0.
- 2016-09 Zurevinsky J, Sawchuk K, **Lim HJ**, Lee CH, Rubab S. A Clinical Randomized Trial Comparing the Cycloplegic Effect of Cyclopentolate Drops Applied to Closed Eyelids Versus Open Eyelids. *American Orthoptic Journal*. 2016 Sep;66:1- 8.
- 2016 Whiting S, Cheng PC, **Thorpe L**, Viveki N, Alcorn J, Hadjistavropoulos T, Dahl W. Review: hand grip strength as a potential nutritional assessment tool in long- term care homes. *Journal of Ageing research and Healthcare*. 2016;1(2). DOI: 10.14302/issn.2474-7785.jarh-16-1177.
- 2016 Feng C, Waldner C, Cushon J, Davy K., **Neudorf C**, Suicidal ideation in a community-based sample of elementary school children: A multilevel and spatial analysis, *Canadian Journal of Public Health* 2016; 107(1):e100–e105
- 2016 Brisbois B, Cole D, Davison C, Di Ruggiero E, **Hanson L**, Janes C, Larson C, Nixon S, Plamondon K, Stime B. Corporate Sponsorship of global health research: Questions to promote critical thinking about potential funding relationships. *Canadian Journal of Public Health*. 2016;107 (No 4-5 (2016)):e390- e392.
- 2016-09 Katapally TR, Rainham D, **Muhajarine N**. The Influence of Weather Variation, Urban Design and Built Environment on Objectively Measured Sedentary Behaviour in Children. *AIMS Public Health*. 2016 Sep;3(4):663-681. Epub 2016 Sep. DOI: 10.3934/publichealth.2016.4.663.
- 2016-09 Barbour-Tuck E, Erlandson EA EA, **Muhajarine N**, Foulds H, Baxter-Jones ADJ. Longitudinal patterns in BMI and percent total body fat from peak height velocity through emerging adulthood into young adulthood: The Pediatric Bone Mineral Accrual Study. *American Journal of Human Biology*. 2016 Sep;e23056. DOI - 10.1002/ajhb.23056.
- 2016 Froehlich Chow A, **Leis A**, Humbert L, **Muhajarine N**, **Engler-Stringer R**. Healthy Start – Départ Santé: A pilot study of a multilevel intervention to increase physical activity, fundamental movement skills and healthy eating in rural childcare centres. *Can J Public Health* 2016;107(3):e312–e318. doi: 10.17269/CJPH.107.5279

### Book Chapters (Non Peer Reviewed)

- 2017 Hanson L. The Case of Rancho Grande (Case Study 8). In: Bodini C, editor. *Building Movement for Health – A tool for Health Activists*. Cape Town South Africa: People's Health Movement; 2017. <https://twaha.be/phm- manual>.

- 2017 Hanson L, Mukhopadhyay B. Mini-International People's Health University (Case study 11). In: Bodini C, editor. Building a Movement for health - A tool for health activists. Cape Town South Africa: People's Health Movement; 2017.  
[https://twha.be/sites/default/files/PHMBuilding\\_A\\_Movement\\_For\\_Health.pdf](https://twha.be/sites/default/files/PHMBuilding_A_Movement_For_Health.pdf).
- 2017 Hanson L. Introduction: Women, Caring. In: Hanson L, Kaplan-Myrth N, editors. Much Madness, Divinest Sense: Women's Stories of Mental Health and Health Care. Lawrencetown, Nova Scotia: Pottersfield Press; 2017. p. 115-121.
- 2017 Hanson L. Introduction: Much Madness. In: Hanson L, Kaplan-Myrth N, editors. Much Madness, Divinest Sense: Women's Stories of Mental Health and Health Care. Lawrencetown, Nova Scotia: Pottersfield Press; 2017. p. 27-32.
- 2017 Kaplan-Myrth N, Hanson L. For You, as Validation of Your Struggles and Experiences. In: Kaplan-Myrth N, Hanson L, editors. Much Madness, Divinest Sense: Women's Stories of Mental Health and Health Care. Lawrencetown, Nova Scotia: Pottersfield Press; 2017. p. 11-14.

#### Book Chapters (Accepted, Peer Reviewed)

- 2017 **Premkumar K**, Kendall H. Next Steps and Future Direction. In: Shachak A, Borycki E, Reis S, editors. Health Professionals' Education in the Age of Clinical Information Systems, Mobile Computing and Social Networks. 1. Amsterdam, The Netherlands: Elsevier Press; 2017.
- 2016 Del Canto S, **Engler-Stringer R**. Prohibitive property practices: The impact of restrictive covenants on the built food environment. In: Hinch R, Gray A, editors. A Handbook of Food Crime. University of Bristol 1-9 Old Park Hill: Policy Press; p. Chapter 9.

#### Technical Reports (Published, Related to Field)

- 2017 **Lim HJ**. Trends in Global Pharma. v. 2, Daegu-Gyeongbuk Medical Innovation Foundation, Korea: Medivalley; 2017. 44-47 p.
- 2017 **Hanson L, Schwandt M**, Stevens M, Tucker S, Akhtar F. Transforming Migrant Work Conditions. 2017. 8 p. <https://saskforward.ca/transforming-migrant-workconditions-migrant-worker-justice-saskatchewan/>.
- 2017 **Hanson L**, Hicks J. Austerity and Health: Some Lessons from Around the World; Some Cautions for Saskatchewan. 2017. 12 p.
- 2017-01 Sari N, **Muhajarine N**, Froehlich Chow A. (2016). Implementation Cost of the Saskatchewan/New Brunswick Healthy Start-Départ Santé Intervention: A first phase analysis of a social return on investment. Saskatchewan Population Health and Evaluation Research Unit

#### Contributed Papers in Published Conference Proceedings

- 2017-06 **Janzen B**, Karunanayake C, Hagel L, Lawson J, Rennie D, Pickett @, Senthilselvan A, Dosman J, **Pahwa P**. Mental Health among Rural Dwelling Canadians: Variation by Gender and Farm Residence[abstract]. Paper presented at: Society for Epidemiologic Research 50<sup>th</sup> Annual Meeting; 2017 Jun 20-23
- 2017-06 **Janzen B**, Karunanayake C, Hagel L, Lawson J, Rennie D, Pickett W, Senthilselvan A, Dosman J, **Pahwa P**. Gender and Insomnia in a Rural Canadian Population[abstract]. Paper presented at: Society for Epidemiologic Research 50th Annual Meeting; 2017 Jun 20-23



- 2017-06 Dixon J, Blonde Y, Lee S, Brindamour M, Abellera T, Baerg M, Hammond- Collins K, Kapaj S, Varga G, Verity-Anderson L, **Leis A**. Evaluation of the Saskatoon Syrian Refugee Pilot Health Clinic (paper) North American Refugee Health Conference Toronto, June 16-18, 2017.
- 2017-05 Dosman J, **Abonyi S**, Karunanayake C, Rennie DC, Kirychuk SP, Lawson JA, Fenton M, Gardipy P, MacDonald J, **Pahwa P**. Determinants Of Snoring Among First Nations People In Two Saskatchewan Reserve Communities[abstract].  
[http://www.atsjournals.org/doi/abs/10.1164/ajrccmconference.2017.195.1\\_MeetingAbstracts.A6533](http://www.atsjournals.org/doi/abs/10.1164/ajrccmconference.2017.195.1_MeetingAbstracts.A6533). Paper presented at: American Thoracic Society 2017 International Conference; 2017 May 19-24; Washington, DC
- 2017-05 Kirychuk S, Russell E, Karunanayake C, Rennie DC, Thompson B, Ramsden V, Lawson JA, **Abonyi S**, Dosman J, **Pahwa P**. Association Between Endotoxin, Damp Housing and Current Wheeze in Adults Living in Two First Nation Communities[abstract].  
[http://www.atsjournals.org/doi/abs/10.1164/ajrccmconference.2017.195.1\\_MeetingAbstracts.A2044](http://www.atsjournals.org/doi/abs/10.1164/ajrccmconference.2017.195.1_MeetingAbstracts.A2044). Paper presented at: American Thoracic Society; 2017 May 19-24; Washington, DC
- 2017-05 Targownik LE, Bernstein CN, Singh H, Nugent Z, Tennakoon A, leung S, Lix LM, Benchimol EI, Nguyen GC, Kaplan G, **Pena-Sanchez JN**, Jones JL, Jacobson K, Murthy SK, Bitton A. Concomitant immunomodulator is associated with a decreased risk of anti-TNF discontinuation and substitution: a population based study. The 2017 Digestive Diseases Week (DDW). Chicago, May 8, 2017.
- 2017-05 **Peña-Sánchez JN**, Lix LM, Teare GF, Li W, Fowler SA, Jones JL. A population- based study evaluating an integrated model of care for inflammatory bowel disease. The 2017 Digestive Diseases Week (DDW). Chicago, May 8, 2017.
- 2017-05 Targownik LE, Bernstein CN, Singh H, Tennakoon A, leung S, Nugent Z, Lix LM, Jacobson K, **Pena-Sanchez JN**, Kaplan G. The prevalence and predictors of anti-TNF failure in a population based sample of persons with IBD. The 2017 Digestive Diseases Week (DDW). Chicago, May 8, 2017.
- 2017-05 Gowan D, Baskwill A, **Leis A**. Current Practices in Defining and Classifying Adverse Events, Including Worsening Pain, in Massage and Manual Therapies Research: A Scoping Study. Research Poster Abstracts of the 2017 Canadian Pain Society Annual Meeting. Canadian Journal of Pain. Volume 1, Issue 1, Pages A60-162. May 2017.
- 2017-04 **Premkumar K**, Saxena A. Effective integration of medical learners in difficulty[abstract]. Paper presented at: Canadian Conference on Medical Education; 2017 Apr 29-May 2; Winnipeg, Manitoba
- 2017-04 Vanderby S, Badea A, **Pena-Sanchez JN**, Kalra N, Babyn P. A day in MR: exam variation and appropriateness of MRI exams in Canada. 80th Annual Scientific Meeting of the Canadian Association of Radiologists (CAR), April 20-23, 2017, Montreal, QC.
- 2017-04 **Hanson L**. The Case of Rancho Grande: Social Justice vs. "Socially Responsible" mining[abstract]. Paper presented at: Conferencia Cientifica Internacional 8va Edicion; 2017 Apr; Holguin, Cuba.
- 2017-02 **Peña-Sánchez JN**, Lix LM, Teare GF, Li W, Fowler SA, Jones JL. The impact of an integrated model of care for patients with inflammatory bowel disease in Canada. The 12th Congress of the European Crohn's and Colitis Organization (ECCO). Barcelona, February 17, 2017.

- 2017-02      McRae D, **Muhajarine N**, Vedam S, Mayhew M, Mpofu D, Tuescher U, Janssen P. Antenatal Midwifery Care: Reducing Prevalence of Small-for-Gestational-Age Birth and Preterm Birth Among Women of Low Socioeconomic Position. [abstract]. Paper presented at: Student Resident Research Day 2017, Department of Community Health and Epidemiology, U of Saskatchewan; 2017 Feb 10; Saskatoon, SK, Canada
- 2017-01      **Hanson L**. Keeping ground, refusing vulnerability: Community resistance against a Canadian mine in rural Nicaragua [abstract]. Paper presented at: Prince Mahidol Award Conference 2017: "Addressing the Health of Vulnerable Populations for an Inclusive Society"; 2017 Jan-2017 Feb; Bangkok, Thailand
- 2016-11      **Abonyi S**, Oosman S, Durocher L, Roy TJ. Why is research on healthy aging important in a youthful Indigenous community?[abstract]. Gerontologist. 2016 Nov 1;56(Suppl\_3):138-139. Epub 2016 Nov 1. <https://doi.org/10.1093/geront/gnw162.555>.
- 2016-11      Brisbois B, Davison C, **Hanson L**, Janes C, Larson C. Global health research and corporate funding sources: a decision-making tool for individuals and organizations[abstract]. In: Engaging power and politics in promoting health and public value. Fourth Global Symposium on Health Systems Research; 2016 Nov; Vancouver, Canada.
- 2016-10      Kalra N, **Peña-Sánchez JN**, Babyn P, Badea A, Vanderby S. Quality Improvement and Appropriateness in Residency Education: A Novel Example. The 2016 International Conference on Residency Education. Niagara Falls, October 1, 2016.
- 2016-10      Hinthner K, Harriman S, **Groot G**, Klassen J. Decreasing Length of Hospital Stay and Intravenous Calcium Requirements with Standardized Postoperative Orders for Dialysis Patients with Secondary Hyperparathyroidism Who Have Undergone a Parathyroidectomy[abstract]. Journal of the American College of Surgeons. 2016 Oct;4(223):e162.
- 2016-10      Gowan-Moody D, Baskwill A, **Leis A**. Exploring massage and manual therapy patient safety incident (adverse event) taxonomies: a scoping review in Boon H, Gaboury I, Balneaves LG, Tsui T, Ng J, Bozinovski N (eds) 2016 INCAM Research Symposium: Expanding Person-Centred Care through Integrative Health Research Journal of Complementary and Integrative Medicine. Volume 13, Issue 4, Pages eA1–eA27. October 2016

#### Invited Presentations (National or International Conferences)

- 2017      **Muhajarine, N**. Moving Forward with Community Health in Mozambique. Growing International Research: A Research Dialogue, Saskatoon, Saskatchewan, Canada. Main Audience: Researcher
- 2017      **Muhajarine, N**. Building cities and changing health: lessons from Smart Cities, Healthy Kids research (Key note). Momentum 2017: Planning Healthy Communities. Connecting the Pieces., Saskatoon, Saskatchewan, Canada. Main Audience: Knowledge User
- 2017-07      **Lim HJ**. Bio Industry and Statistics. Duksung Women's University. Seoul Korea.
- 2017-06      **Engler-Stringer R**. Lessons for Children's Food Environments at Home and at School: Context and Interventions for Health Equity. Children's Health and the Environment Workshop and Symposium. London, Ontario.
- 2017-06      **Groot G**. Surgical Management of Melanoma. Saskatchewan Melanoma Conference. Saskatoon, Sk.

- 2017-06 **Lim HJ.** Clinical Trial Protocol Development. Korea Human Resource Development Institute for Health & Welfare. Seoul, Korea.
- 2017-06 **Engler-Stringer R.** Invited Expert Committee Member. Food-EPI National Workshop. Vancouver, B.C.
- 2017-06 **Muhajarine N.** Invited Expert Member. Paper presented at: Food-EPI National Workshop; 2017 Jun 12; Vancouver, BC
- 2017-06 **Lim HJ.** Research Methods: Study Designs. Seoul University of Buddhism. Seoul, Korea.
- 2017-06 **Hanson L.** Struggles for Health in the Age of Austerity. Invited lecture at the Centre for the Environment and Development and the Centre for Global Health, University of Oslo, Norway. Oslo, Norway.
- 2017-05 **Lim HJ.** Longitudinal Data Analysis. Korea Health Industry Development Institute. Seoul, Korea.
- 2017-05 Quail J, Schaefer J, **Neudorf C**, Anderson M, McLeod V, Lafontaine T, Pelly J, Pruden Nansel K, Baetz M, Baker M, Teare G, **Muhajarine N.** Hotspotting mental health and addictions: Putting Canadian Institutes of Health Research Strategy for Patient Oriented Research into action. Paper presented at: SPOR Primary and Integrated Health Care Innovation Network Research Day; 2017 May 23-23; Toronto, ON, Canada
- 2017-05 Hudon C, Chounaird M-C, Aubrey-Bassler K, **Muhajarine N**, Burge F, Pluye P. Case management in primary care among frequent users of health care services with chronic conditions: preliminary findings from a realist synthesis. Paper presented at: PIHCIN BITE: A bite-sized summary of a piece of research supported by SPOR Primary and Integrated Health Care Innovations; 2017 May 23-23
- 2017-05 **Lim HJ.** Treatment Allocation in Clinical Trials. Korea Health Industry Development Institute. Seoul, Korea.
- 2017-05 McRae D, Janssen P, Vedam S, Mayhew M, Mpofu D, Teuscher U, **Muhajarine N.** Antenatal Midwifery Care: Reducing Prevalence of Small-for-Gestational-Age Birth and Other Adverse Infant Birth Outcomes Among Women of Low Socioeconomic Position.[abstract]. Paper presented at: Academic Perinatology Rounds, BC Women's Hospital; 2017 May 3-3; Vancouver, BC, Canada
- 2017-05 Gauvin L, **Muhajarine N**, Raynault M-F. Multisectoral Urban Systems and Health and Equity in Canadian Cities (MUSE). Paper presented at: Urban Public Health Network (UPHN); 2017 May 2-2; Banff, AB, Canada
- 2017-05 Partridge S, **Hanson L**, Christianson B, Taniskishayinew C. Know Your Rights! Mental Health and Addictions In the Workplace. Event sponsored by Canadian Mental Health Association, CUPE, The Stand and Str8Up.. Frances Morrison Library, Saskatoon, Canada.
- 2017-04 **Groot G**, Arcand L. Shared Decision Making. Invited Presentation at Aboriginal Health Council. Saskatoon, Sk.
- 2017-04 **Rooke E.** Medical Students on Short Term Experiences in Global Health: The Use of an Adapted Field Note as a Tool to Facilitate Reflection and Assessment of Global Health Competencies. Presentation in the TUFH Talks category at the World Summit on Social Accountability. Content described the need for, development, and application of a tool in the Making the Links Program at the UofS for enhancing reflection and assessment of global health competencies for undergraduate students on STEGH. Hammamet, Tunisia.

- 2017-04 **Lim HJ.** Statistics in New Drug Development. Duksung Women's University. Seoul, Korea.
- 2017-03 **Lim HJ.** Advance from Pre-Clinical to Clinical Study in Drug Development. Healthcare2030. Seoul, Korea.
- 2017-03 McRae D, **Muhajarine N**, Vedam S, Mayhew M, Mpofu D, Teuscher U, Janssen P. Antenatal Midwifery Care: Reducing Prevalence of Small-for-Gestational-Age Birth and Preterm Birth Among Women of Low Socioeconomic Position.[abstract]. Paper presented at: Normal Birth Meeting, BC Children's Hospital Research Institute; 2017 Mar 6-6; Vancouver, BC, Canada
- 2017-02 **Lim HJ.** Bayesian Adaptive Methods for Clinical Trials. College of Medicine, Bundang Seoul National University Hospital. Seoul, Korea.
- 2017-02 Bennett V, **D'Eon M.** Performance-based assessment: Rubric development. This is a modified workshop we gave to the Dept of Psychiatry two years ago for JABSOM, UH. Honolulu, HI.
- 2017-02 Bennett V, **D'Eon M.** Teaching medical students about mental health stigma. Joint presentation with Dr. Vern Bennett, Dept of Psychiatry, for the Office of Medical Education Grand Rounds, JABSOM, UH. Honolulu, HI.
- 2017-02 **Lim HJ.** Starting Dose-Finding in New Drug Development: From Animal to First in Human. New Drug Development Center, K-Bio Health Osong Medical Innovation Foundation. Osong, Korea.
- 2017-01 **Hanson L.** Keeping ground, refusing vulnerability: Community resistance against a Canadian mine in rural Nicaragua[abstract]. Paper presented at: Prince Mahidol Award Conference 2017: "Addressing the Health of Vulnerable Populations for an Inclusive Society"; 2017 Jan-2017 Feb; Bangkok, Thailand
- 2016-12 **Lim HJ.** Starting Dose for First-in-Human (FIH) Phase 1 Clinical Trials. Korea Health Industry Development Institute. Osong, Korea.
- 2016-12 **Muhajarine N.** Healthy equity from the start. Paper presented at: Action on Health Equity in Early Years in Saskatoon Health Region; 2016 Dec 8; Saskatoon, SK
- 2016-12 **Olauson C,** Engler-Stringer R. A Mixed Methods Study Examining Barriers to Health Equity at the University of Saskatchewan [abstract]. Paper presented at: Poverty Reduction and the Current Saskatchewan Economic Climate; 2016 Dec 6-6; Saskatoon, SK
- 2016-11 **Thorpe L.** Behavioral Changes & Management Strategies with the Aging Individual and Down Syndrome. Invited lecture at the Aging Matters: Growing older with DS conference Phoenix, Arizona, November 19, 2016. Phoenix, Arizona.
- 2016-10 **Schwandt M.** Moving Targets: Partnerships for Health in Transportation. Invited keynote presentation to the Association for Consumer Transportation (Sustainable Mobility Summit). Ottawa.
- 2016-10 **Muhajarine N.** Patient Engagement in Primary Care Research--Saskatchewan case. Paper presented at: Strategy for Patient-Oriented Research National Summit; 2016 Oct 18-18; Ottawa, ON, Canada
- 2016-10 **Groot G,** Arcand L. A Healing Journey. Wicahitowin Aboriginal Engagement Conference. Saskatoon, SK.



- 2016-09 **Groot G.** Ultrasound Evaluation of Thyroid Nodules - New ATA. Saskatchewan Association of Medical Imaging Managers Annual General Meeting. Saskatoon, SK.
- 2016-09 **Lim HJ.** Clinical Trials: Designs & Practice. Issues in Clinical Trials. Korea Ministry of Food and Drug Safety, Seoul, Korea.
- 2016-08 **Lim HJ.** Estimating Starting Dose and Maximum Tolerated Dose in Phase I Clinical Trials. Phase I Clinical Trials. Ottawa, Canada.
- 2016-08 **Pahwa P.** Longitudinal Data Analysis Methods: A Review. An invited lecture at Google. Google, Mountain View, California.
- 2016-07 **Lim HJ.** Starting Dose-Finding in New Drug Development: From Animal to First in Human. Phase I study designs. Korea Research Institute of Bioscience and Biotechnology, Korea.
- 2016-07 **Lim HJ.** Adaptive Study Designs in Clinical Trials. Various advanced adaptive designs in clinical trials. Seoul National University Boondang Hospital Korea.
- 2016-07 Lotoski L, **Muhajarine N**, Patterson B. Who is walking and biking to work or school in Saskatoon? An analysis of transportation methods used by Saskatonians. Canadian Public Health Association annual conference. Toronto, ON.
- 2016-07 Banga K, Waldner C, **Muhajarine N**, Feng C, Bowen A. Confirmatory Factor Analysis of Preschool Child Behavior Checklist (CBCL) (1.5 – 5 yrs) among Canadian children. Canadian Public Health Association. Toronto, ON.

### Poster Presentations

- 2017-06 Lotoski LC, **Muhajarine N**, Fuller D, Stanley K, Rainham D. A 4-season longitudinal study examining the association between seasonality and sedentary behaviour in 9-14 year old Canadian children. Paper presented at: 2017 Canadian Student Health Research Forum; 2017 Jun 5-9; Winnipeg, MB
- 2017-05 Rennie D, Karunanayake C, Lawson J, **Janzen B**, Dyck R, **Pahwa P**, Dosman J. Distance to Health Care and Asthma Morbidity[abstract]. Poster presented at: Distance to Health Care and Asthma Morbidity; 2017 May 19-24
- 2017-03 Baerg K, Lee C, Smit J, **Lim HJ.** Reliability testing of jm103 and jm105 transcutaneous jaundice meters for a hospital and community based newborn screening program, a look behind the scene[abstract]. Poster presented at: 4th World Congress on Controversies in Pediatrics (COPEDIA); 2017 Mar 30-Apr 1; Amsterdam, Netherlands
- 2017-03 **Groot G**, Carr T, Waldron T, Lafontaine T, Arcand L, Roberts R, McMullen L, **Abonyi S**, Duncan V, Westhorp G, Neufeld S-M. Shared Decision Making in Saskatchewan's Indigenous Community[abstract]. Poster presented at: U of S Building Reconciliation Forum; 2017 Mar 7-7; Saskatoon, SK
- 2017-03 Hetzel C, **Groot G.** Decision Making Process for Indigenous Women with Breast Cancer[abstract]. Poster presented at: U of S Building Reconciliation Forum; 2017 Mar 7-7; Saskatoon, Sk
- 2017-02 Umaefulam V, **Premkumar K.** Sharing Circle versus Focus Group in the Development of Diabetic Retinopathy Mobile Health (mHealth) Education for Aboriginal Women[abstract]. Poster presented at: Health and Medical Education Scholarship Symposium 2017, University of Calgary; 2017 Feb 22-Jun 23; Calgary

- 2017-02 **Premkumar K**, Bomfim E. Innovative teaching strategies to facilitate medical education: the challenge of teaching the millennial medical students[abstract]. Poster presented at: Health and Medical Education Scholarship Symposium, University of Calgary; 2017 Feb 22-23; Calgary
- 2017-01 **Premkumar K**, Satiishkumar S, Pulimood A, Umaefulam V, Vinod E, Samuel P, John T. Self-directed Learning Readiness of Indian Medical Students: A Mixed Method Study[abstract]. Poster presented at: 14th Asia Pacific Medical Education Conference (APMEC); 2017 Jan 11-15; Singapore
- 2016-11 Olauson C, **Engler-Stringer R**. Student Food Insecurity: A Mixed Methods Study Examining Barriers to Health Equity at the University of Saskatchewan[abstract]. Poster presented at: Advancing Food Insecurity Research in Canada; 2016 Nov 17-18; Toronto
- 2016-11 Sigurdson J, **Engler-Stringer R**, **Muhajarine N**. Intervening in a Food Desert: Impacts of the Good Food Junction Grocery Store on Food Security and Vegetable and Fruit Consumption Among Shoppers[abstract]. Poster presented at: Advancing Food Insecurity Research in Canada; 2016 Nov 17-18; Toronto, ON
- 2016-11 Schaefer J, **Engler-Stringer R**. Food insecurity and pregnancy: A critique of the popular food support design[abstract]. Poster presented at: Advancing Food Insecurity Research in Canada; 2016 Nov 17-18; Toronto, ON
- 2016-11 Sigurdson J, **Engler-Stringer R**, **Muhajarine N**. Intervening in a food desert: Impacts of the Good Food Junction grocery store on food security and vegetable and fruit consumption among shoppers[abstract]. Poster presented at: Saskatchewan Epidemiological Association Annual Symposium; 2016 Nov 2; Saskatoon, SK
- 2016-11 Bomfim E, **Premkumar K**. Effects of a novel Swedish massage protocol on quality of life, sleep, stress, fatigue and biological markers levels in recently treated breast cancer patients [abstract]. Poster presented at: Saskatchewan Epidemiology Association (SEA) 2016 Annual Symposium; 2016 Nov 2-3; Saskatoon
- 2016-11 Umaefulam V, **Premkumar K**. Barriers and Enablers to Utilizing Diabetic Retinopathy Eye Care Among Aboriginal Women in Saskatoon [abstract]. Poster presented at: Saskatchewan Epidemiology Association 16th Annual Fall Symposium & Workshop; 2016 Nov 2- 3; Saskatoon
- 2016-10 Waldron T, Carr T, **Groot G**, McMullen L, Duncan V, Bandura L. Shared Decision Making: Development of an Initial Realist Program Theory[abstract]. Poster presented at: CARES 2016; 2016 Oct 2-6; London, UK
- 2016-10 Kalra N, **Peña-Sánchez JN**, Babyn P, Badea A, Vanderby S. Quality Improvement and Appropriateness in Residency Education: A Novel Example. Poster presented at The 2016 International Conference on Residency Education. Niagara Falls, October 1, 2016.
- 2016-09 **Engler-Stringer R**. Urban Food Environment Interventions and Indigenous Food Sovereignty: Reflections from a Program of Public Health Nutrition Research in Saskatchewan[abstract]. Poster presented at: Native Nutrition Conference; 2016 Sep 26-27; Mystic Lake, Minnesota
- 2016-09 **Pahwa P**, Rana M, Karunanayake C, Hagel L, Elliot V, Lawson J, Rennie D, Senthilselvan A, Dosman J, Saskatchewan Rural Health Study Research Team. Longitudinal Changes in Prevalence of Chronic Bronchitis in Rural People.[abstract]. Poster presented at: European Respiratory Society 2016 International Congress; 2016 Sep 3-7; (1) London, United Kingdom.

## Public Lectures and Colloquiums

- 2017-05      **Hanson, L.** Invited speaker for College of Medicine Mental Health Awareness Week event. based on our book: Much Madness, Divinest Sense, N. Kaplan- Myrth, L.Hanson, Editors.
- 2017-04      **Abonyi, S.** Aspirations for aging in place. Implications for the healthcare of rural and remote older adults. Transforming the Care of Older Adults through Interprofessional Teams. CME Conference. Saskatoon, SK
- 2017-03      **Janzen B.** Poster presentation at University of Saskatchewan Forum on Building Reconciliation *Comment: On behalf of the First Nations Lung Health Research Team, I created and presented a poster entitled: Interpersonal Discrimination, Gender and Depression among On-reserve First Nations People in Rural Saskatchewan*
- 2016-11      **Schwandt, M.** Guest speaker: *Food Waste Film Night.* (Eco-Friendly Saskatoon, Saskatoon Food Bank and Learning Centre, Saskatchewan Waste Reduction Council, CHEP Good Food, Saskatoon Food Council, Saskatoon Friendship Inn, Saskatchewan Population Health and Evaluation Research Unit), Saskatoon Nov 8 2016.

## Research Grant and Contract Information

### Grants, Awarded (Peer-Reviewed)

- 2017-05 to 2018-05      Yingang L (Principal Investigator), **Lim H** (Co-principal Investigator). Innovative Abdominal Retractor for Massive Ventral Hernia Repair, Royal University Hospital Foundation. Total: \$17,000.00 for 2017-05 to 2018-05
- 2017-05 to 2021-05      Onil Bhattacharyya (NPI), Sabrina Wong (co-PI), **Muhajarine N.** (Co-Investigator) et al. Primary Integrated Health Care Innovation Network Coordinating Office, Strategy for Patient Oriented Research, Canadian Institutes of Health Research, 2017-2021, 4 years. CIHR \$400,000
- 2017-03 to 2018-02      Goodridge D (Principal Investigator), **Neudorf C** (Coprincipal Investigator), Ward H (Co-investigator), PenzE (Co-investigator), Balbuena LC (Co-investigator), **Lim H** (Co-investigator), Ugolini C (Collaborator), Chipperfield D (Collaborator), Hiebert J (Collaborator). SHRF (\$50,000) and Statistics Canada (\$20,000). Total: \$70,000.00 for 2017-03-01 to 2018-02-28
- 2017      Kontulainen S (NPI), Noor M, Bart A, Baxter-Jones A, Cooper D, Johnston J, Lenovaz J, **Muhajarine N**, Szafron M, Vatanprasat H, Wark J, Wieb S. Saskatchewan Bone Strength Development Study (BSDS). CIHR Project Grant competition, \$1,130,000 over 5 years. (Bridge funding received).
- 2017-04 to 2022-03      **Muhajarine N** (Principal Investigator), Kouri D, Kossick D, Meili R, Dickson M, **Abonyi S**, Forsyth J, Gough R, Dunn Pierce T—Canadian team; Mause N, Tanda A, Mandevo H, Mondlane L, da Silva T—Mozambican team. Engaging Communities and Health Workers to Reduce Maternal and Newborn Mortality in Inhambane, Mozambique. Global Affairs Canada. CAD \$16,594,496.00 for April 2017 to March 2022.
- 2017-02 to 2020-03      **Leis A** (NPI), **Muhajarine N**, Humbert L, Vatanprasat H, Sari N, Ward S – co-PIs. Scaling up Healthy Start-Départ Santé, in Saskatchewan and New Brunswick. Public Health Agency of Canada, \$1,500,000 for Feb 2017 to Mar 2020.

2016-12 to 2017-12	Hudon C (NPI), <b>Muhajarine N</b> (SK PI), Chounaird M-C, Burg F, Aubrey-Bassler K (NFLD PI), Groux A, Baker M, Edwards L, Campbell C. Case management in primary care to improve outcomes among frequent users of health care services with chronic conditions: a realist synthesis of what works, for whom and in what circumstances. CIHR SPOR Knowledge Synthesis grant, \$75,000 for Dec 2016 to Dec 2017.
2016-11 to 2021-03	Gauvin L (Nominated PI), <b>Muhajarine N</b> and Raynault M-F (Co-Principal Investigators); Daly P, Masse R, Mckeown D, <b>Neudorf C</b> (all Principal Knowledge Users). Ushering in Transformations of Urban Form to Promote Population Health and Equity: The Role and Impact of Intersectoral Partnerships Nurtured by Public Health Organizations and Cities in Canada. CIHR Team Grant: Environments and Health: Programmatic Grants in Intersectoral Prevention Research – \$2,050,000 for Nov 2016 to March 2021.
2016-08 to 2019-03	Gauvin L (NPI), <b>Muhajarine N (PI)</b> , <b>Neudorf C</b> , Massé R, Kestens Y, Datta G, et al. Individually- and Environmentally-Targeted Interventions to Improve Healthy Eating and Physical Activity across Urban Contexts: Implementation Considerations. CIHR C\$512,215 for Aug 2016 to Mar 2019.
2017-06 to 2019-06	<b>Premkumar K</b> (Principal Investigator), Bomfim Ev (Co-investigator). Effects of Swedish Massage Protocol on Breast Cancer Survivors, to study the effect of 8 week swedish massage intervention on breast cancer survivor's sleep, fatigue, life style and bio-markers. Massage Therapy Association of Saskatchewan. Total: \$5,600.00
2017-05 to 2020-04	Long R (Principal Investigator), Sack S (Co-principal Investigator), Smylie J (Co-investigator), Yacoub W (Co-investigator), <b>Abonyi S</b> (Co-investigator), Butler L (Co-investigator), Cooper R (Co-investigator), Hackett F (Co-investigator), Komarnisky S (Co-investigator), Maina G (Co-investigator), Stewart K (Co-investigator). Implementing the "Patient's charter of tuberculosis care" in high incidence Indigenous communities and across jurisdictional borders. CIHR -Team Grant: Pathways IRT Component II-Tuberculosis. Total: \$675,000.00
2017-05 to 2018-05	<b>Abonyi S</b> (Principal Investigator), Roberts C (Co-investigator), Dosman J (Co-investigator), Karunanayake C (Co-investigator), Kirychuk S (Co-investigator), <b>Pahwa P</b> (Co-investigator), Ramsden V (Co-investigator). Disparities in Respiratory Health Among First Nations People: Assess, Redress, Reassess. Sharing Knowledge & Experience, Revealing Priorities & Directions, Planning and Dissemination Grant- Institute Community Support Canadian Institutes of Health Research. Total: \$19,122.00
2017-04 to 2022-03	Tait C (Principal Investigator), Innes R (Co-principal Investigator), <b>Abonyi S</b> (Co-investigator), Butler L (Co-investigator), Dell C (Co-investigator), Foulds H (Co-investigator), Ferguson L (Co-investigator), Hackett F (Co-investigator), Mela M (Co-investigator), Mendez I (Co-investigator), Milosavljevic S (Co-investigator), Mutwiri G (Co-investigator), Oosman S (Co-investigator), Racine L (Co-investigator), Rosenberg A (Co-investigator), Waldram J (Co-investigator), Graham H (Co-investigator). Building Reconciliation Together: Transformative Intergenerational Mentorship, CIHR. Total: \$1,000,000.00

2017-04 to 2022-03	Dacosta R (Principal Investigator), Abrahamyan L (Co-investigator), Deobald R (Co-investigator), Jane S (Co-investigator), Easson A (Co-investigator), George R (Co-investigator), <b>Groot G</b> (Co-investigator), Halloway C (Co-investigator), Krahn M (Co-investigator), Leong W (Co-investigator), Look Hong N (Co-investigator), Mccready D (Co-investigator), Meiers P (Co-investigator), Mew D (Co-investigator), Nofech-Mozes S (Co-investigator), Panzarella T (Co-investigator), Rac V (Co-investigator), Scheer A (Co-investigator), Tenenbein P (Co-investigator). The Canadian F.I.G.H.T. (Fluorescence Image-Guided Help in Treating) Breast Cancer Surgical Trial, CIHR. Total: \$3,000,000.00
2017-03 to 2020-03	Vatanparast H (Principal Investigator), Koc K (Co-principal Investigator), Racine L (Co-investigator), <b>Engler-Stringer R</b> (Co-investigator), Garcea J (Co-investigator), White J (Co-investigator), Qarmout T (Co-investigator), Farag M (Co-investigator), Iqbal R (Co-investigator), Diaz E (Co-investigator). The impact of socio-economic, geography, and cultural factors on household food insecurity of Syrian refugees: A comprehensive study after resettlement in Canada., Social Sciences and Humanities Research Council of Canada (SHRC) Insight Grant. Total: \$189,815.00
2017-03 to 2018-03	Bouchard L, Jbilou J., Forgues E, Chartier M, <b>Leis M</b> . Un observatoire socio-sanitaire de la population francophone, minorité de langue officielle pour la recherche collaborative, la, mobilisation et le transfert de connaissances : phase 1 de développement. CHIR \$ 100,000.00
2017-03 to 2018-03	Ramsden V (Principal Investigator), Kirychuk S (Co-principal Investigator), Rabbitskin NJ (Co-investigator), <b>Abonyi S</b> (Co-investigator), Dolovich LR (Co-investigator), Dosman J (Co-investigator), Fenton M (Co-investigator), Graham H (Co-investigator), Lamarche L (Co-investigator), Bighead S (Collaborator), Davis B (Collaborator), Jacobson N (Collaborator), Karunanayake C (Collaborator), McKay S (Collaborator), Turner T (Collaborator). Mmawhkamtowin: Enhancing & Integrated Pathways to Wellness, Canadian Institutes of Health Research. Total: \$150,000.00
2017-01 to 2020-01	Hackett P (Principal Investigator), <b>Abonyi S</b> (Co-investigator), Butler L (Co-investigator), Maina G (Co-investigator). Implementing the "Patient's Charter of Tuberculosis Care" in High Incidence Indigenous Communities and Across Jurisdictional Borders, The SHRF provided matching funds to support the sustainability of the gains that will be made from the implementation of CIHR grant Saskatchewan Health Research Foundation. Total: \$150,000.00
2016-12 to 2021-11	<b>Muhajarine N</b> (Co-principal Investigator), Gauvin L (Co-principal Investigator), Raynault M (Co-principal Investigator), Masse R (Co-investigator), Daly P (Co-investigator), <b>Neudorf C</b> (Co-investigator), Barnett T (Co-investigator), Bilodeau A (Co-investigator), <b>Engler-Stringer R</b> (Co-investigator), Fuller D (Co-investigator), Laurin I (Co-investigator), Morency P (Co-investigator), Potvin L (Co-investigator), Robitaille É (Co-investigator), Sandhu J (Co-investigator), Sari N (Co-investigator), Stanton-Jean M (Co-investigator), Winters M (Co-investigator), Lu J (Co-investigator), Benoit F (Co-investigator), Deny C (Co-investigator), Falkner V (Co-investigator), Paquin S (Co-investigator), Lysyshyn J (Co-investigator), Macfarlane R (Co-investigator), Drouin L (Co-investigator). MUSE: Multisectoral Urban Systems for health and Equity in Canadian cities /Multisectorielles et Urbaines : approches pour la Santé et l'Équité dans les villes canadiennes, This is a team grant application co-led by Lise Gauvin and Nazeem Muhajarine, engaging chief MHOs and researchers from four cities: Montreal, Toronto, Saskatoon, and Vancouver. CIHR. Total: \$2,050,000.00. Nov 2016-March 2021 for Child and Adolescent Research, Department of Psychiatry. Total: \$2,000.00



2016-10 to  
2017-10 Vatanparast H (Principal Investigator), Henry C (Co-investigator), Garcea J (Co-investigator), White J (Co-investigator), Racine L (Co-investigator), Mehta K (Co-investigator), Farag M (Co-investigator), Koc M (Co-investigator), **Engler-Stringer R** (Co-investigator), Iqbal R (Co-investigator), Qarmout T (Co-investigator). The impact of socio-economic and cultural factors on household food security of Syrian refugees in Canada, Social Sciences and Humanities Research Council. Targeted Research: Syrian Refugee Arrival, Resettlement, and Integration June 2016. Total: \$25,000.00

2016-09 to  
2018-08 **Schwandt M** (Principal Investigator). The Patient- Provider Toolkit: Using a Community-Based Research Approach to Support HIV+ Patients Accessing Health Care, Saskatchewan Health Research Foundation, Collaborative Innovation Development (CIHR Strategy for Patient-Oriented Research). Total: \$74,850.00 for 2016-09 to 2018-07

2016-08 to  
2018-08 Gagliardi A (Principal Investigator), Wright F (Co-principal Investigator), Look Hong N (Co-investigator), Urquhart R (Co-investigator), Helyer L (Co-investigator), Quan M (Co-investigator), Meiers P (Co-investigator), **Groot G** (Co-investigator), Warburton R (Co-investigator). How should person-centered care be implemented for women with DCIS? Canadian Cancer Society Research Institute. Total: \$99,029.00 for 2016-08 to 2018-08

2016-07 to  
2017-06 **Pahwa P** (PI). Exploring the Socio-economic and Environmental Determinants of chronic bronchitis and Asthma in Aboriginal People, This project involves analysis of Stats Canada Aboriginal Peoples' Survey- 2012 SSHRC. Total: \$0.00 for 2016-07-01 to 2017-06-30. It provides access to the RDC centre.

2016-04 to  
2021-03 Fortier I; Atkinson S A; Bocking A D; Ferrett V; Fraser W D (Principal Investigators); Anand S S; Barrett J; Boivin M; Bowen A N; Côté S; Dodds L; Jenkins J M; Knoppers BM; Kozyrskyj A L; Letourneau N L; Luo Z; Maguire J L; Meaney M J; **Muhajarine N**; Oberlander T F; Rosenberg A M; Smith G N; Subbarao P; Takser L; Tough S C; Wahi G; Wen S (Co-Investigators). Research Advancement through Cohort Cataloguing and Harmonization (ReACH) . Canadian Institutes of Health Research (CIHR) \$1,300,000.

#### Grants, Awarded (Non-Peer-Reviewed)

2017-06 to  
2019-06 **Premkumar K** (Principal Investigator), Bomfim E (Co-investigator). Effects of Swedish Massage Protocol on Breast Cancer Survivors, to study the effect of 8 week swedish massage intervention on breast cancer survivor's sleep, fatigue, life style and bio-markers. Massage Therapy Association of Saskatchewan. Total: \$5,600.00

2017-05 to  
2017-07 El-Aneed A (Co-principal Investigator), **D'Eon M** (Co-principal Investigator). Interdisciplinary Summer Student Research Award, Developing Addiction Education Interprofessional Workshops for Pharmacists College of Medicine and College of Pharmacy and Nutrition. Total: \$11,400.00

2017-02 to  
2019-02 **Pena-Sanchez J** (Principal Investigator), **D'Eon M** (Co-investigator), Teucher U (Co-investigator), Baerg K (Co-investigator), Andres D (Co-investigator), Schmidt M (Co-investigator), Gjevre J (Co-investigator), Kraushaar J (Co-investigator). SoTL Cluster, Encourage and support scholarly work in the Medicine and Society suite of courses. Gwenna Moss Centre for Teaching Effectiveness. Total: \$10,000.00

2016-11 to  
2018-10

**D'Eon M** (Principal Investigator), Riou K (Co-principal Investigator), Bennett V (Co-investigator), Teucher U (Co-investigator). Peter Matthews Enhancement Award for Child and Adolescent Research, Department of Psychiatry. Total: \$2,000.00

2017-01 to  
2019-01

Bull H (Principal Investigator), Malin G (Co-investigator), Anderson K (Co-investigator), **D'Eon M** (Co-investigator), **Premkumar K** (Co-investigator), Chlan-Fourney J (Collaborator). BioMedEducation Scholarship Cluster, The purpose of this group is to gather educators from the Biomedical sciences who are involved in the Scholarship of Teaching and Learning, to collaborate on projects. Gwenna Moss Centre for Teaching Effectiveness. Total: \$10,000.00