

2017-2018

Impact Report



Chair's Message

Welcome to our annual report for 2017-18. In this report we hope to give you a glimpse of the myriad of activities that our department is involved in. Any department of family medicine is an amalgamation of clinical care, education, scholarly activities; all underpinned in our case, by an outstanding administrative team.

As a department we continually strive for excellence and feel that it is our mission to impact the health of our communities locally, provincially, nationally, and internationally. This brief report will give you a flavour of many of the activities that happen across our far-reaching Department of Family Medicine. Thank you for taking a moment of your time to visit us "virtually" and please, if you have comments, suggestions or questions, never hesitate to contact us. I know after reading this report you will come away with a sense of pride and amazement, as I do, in the amazing work done with such passion and dedication by all of our members; full, part-time, and volunteers.



David Price
Chair and Professor
Department of Family Medicine

Preserving Our History for Future Generations **2**

Postgraduate Education **5** and Undergraduate Education **6**

Teaching Sites: Brampton **8**, Grand Erie Six Nations **8**, Halton **9**, Hamilton **10**, Kitchener-Waterloo **12**, Niagara **12**, and Rural Stream **13**

Divisions of Palliative Care and Emergency Medicine **14**

McMaster Family Health Team **15**

Research **16**, Publications and Grants **18**

Awards **23**

Preserving Our History for Future Generations: Fifty Years of Family Medicine at McMaster 1968 to 2018

In June 2017, the Department of Family Medicine embarked on a journey to preserve our 50 year history of family medicine at McMaster University in a Department of Family Medicine Archive.

The McMaster Faculty of Health Sciences (FHS) Library Archive already has some interesting collections related to the development of family medicine beginning in 1965. The general archival collections and individual collections of early deans such as Drs. John Evans, Fraser Mustard, Jack Laidlaw, Stuart McLeod, John Bienenstock and more recent leaders include original documents, annual reports, media stories, journal articles, correspondence, and photographs of family medicine faculty, residents, nurses and other individuals. Dr. Charles Roland (the first Hannah Professor in the History of Medicine at McMaster) recorded interviews with Dr. Ron McAuley and Dr. John Hay as oral narratives in the late 1970s. However, there are no collections of archival materials from the past department chairs of family medicine and only very small collections from individual family medicine faculty members.

The 50th anniversary is a golden opportunity to remedy this, reflect on our history, and capture the key materials and stories of individuals who have played a critical role in shaping us into what we are today. To mark this anniversary, the department launched a project to put real faces and documents front and centre, collect materials, and record stories in our own words. Regrettably some key members of our department have died. Others have retired, some work elsewhere, and some are fortunately still active in the department. Our story is so much richer told from the perspective of our faculty, alumni, and individuals.



Dr. Cheryl Levitt
Professor, Department Family Medicine
History and Archive Director

Our graduates form a backbone to the inspired development and provision of health care in Ontario and beyond. Our faculty have led and influenced the development of the McMaster medical school program, helped develop family medicine nationally and are world renowned for their leadership and research.

To tell the story, the collection is divided into two main areas. The department collection and individual collections. The department collection is a catalogue of many items such as annual reports, newsletters, committee minutes, media, brochures, photographs, external reviews, strategic plans, and highlights about our clinical teaching units, educational and research programs. Most of our department collection emanates from the Office the Chair and includes collections from previous chairs and from individuals in leadership roles.

Individual collections are obtained from faculty members or individuals in the department and include a myriad of materials such as personal documents, CVs, correspondence, obituaries, tributes, certificates, awards, photographs, books, research and other writings, sabbatical reports and educational presentations. In addition, individuals who have stories to tell about their careers and experiences at McMaster, memories to record, and oral history to share, are being invited to record narratives in informal audio interviews. With each individual's permission, the oral recording and the transcription will be lodged in the archive.

Anne Mckeage was the McMaster Faculty of Health Sciences Library archivist for almost thirty years until she recently retired. She has been helping us develop and properly implement the Department of Family Medicine Archive. We have established a core archive of original documents and a digital archive of photographs and electronic documents. We hope that the archive will be housed at the McMaster FHS Library Archive.

Little did we expect that this rich process would already reveal so many wonderful collections and stories. Here are brief glimpses into a few ...

Dr. Ron McAuley

No-one is more responsible for establishing the Department of Family Medicine at McMaster than Dr. Ron McAuley. The relationship between him and Dr. John Evans, the founding Dean, facilitated our evolution. The story is beautifully captured in hand-written and typed correspondence in Dr. Evans' collection in the FHS Library Archive and in the iconic book written by Dr. Bill Spaulding, Associate Dean, called *Revitalizing Medical Education*. However the most poignant part of the story is captured in the Dr. Ron McAuley collection that was graciously brought to us by his wife Joan McAuley.



1976

Dr. Jacqui Wakefield

Dr. Jacqui Wakefield is the mother of all teachers in our department. She was the first woman family physician to be recruited into the newly established Department of Family Medicine in 1969. She recalls that it was a very challenging first few years. The family physician she worked closely with at the Henderson Family Practice Unit could not tell his wife that she was a woman; she was "Jack"! There were all kinds of questions about how to deal with her pregnancy leave and what they would do when she came back. Her maternity leave was only 6 weeks and she was expected to pick up where she left off as soon as she came back. The Jacqui Wakefield Mentorship Award is presented to a faculty member of the Department (full or part-time) who has demonstrated outstanding mentoring abilities.

Dr. Jon Davine

Dr. Jon Davine is the founder of our Behavioural Science Program. Jon has been a psychiatrist at McMaster University for 34 years and throughout that time he devoted half his time teaching residents in behavioural science. The program has sustained its reputation as a unique and effective way to teach family medicine residents about how to care compassionately for the many behavioural and mental health issues that fill our clinical practices. Jon has taught hundreds of residents about managing common mental health problems in family medicine and was one of the most popular teachers at the OCFP Annual Scientific Assembly and CFPC Family Medicine Forum events annually. Jon is one of the psychiatrists involved in the Family Health Team Mental Health Program where he continues to support many family doctors in managing psychiatric problems in their practices in Hamilton. Jon describes his experience in behavioural science as "a great ride".

Sandy Lusk

Sandy Lusk is one of our excellent nurse practitioners who helps provide continuity of care to our patients in academic teaching centres. Early in her career, Sandy worked in northern Manitoba as an out-post nurse practitioner before coming to McMaster. She undertook extra training and dealt with many challenging clinical scenarios such as intubations, stabbings, mental health issues, deliveries and emergency evacuations. Sandy was recruited to work with Drs. Gerry Cohen and Ron McAuley at the Hamilton General Hospital in 1986. She moved with them to the North Hamilton Community Health Centre in 1987 and eventually to Stonechurch Family Health Centre in 2006. Sandy's proudest memories of her 32 years in the Department is caring for patients with HIV at North Hamilton when the disease was essentially a death sentence and the medications needed to treat were a "head spin".



2018

Dr. John Sellors

STDs such as gonorrhoea are a significant public health problem. In the 70's and 80's, the only way to diagnose them was symptomatically, which was often too late, or they were asymptomatic and missed altogether. A point of care lab test would change all that. Dr. John Sellors was practising as a family doctor in Stoney Creek, but his research interest brought him to work with Dr. Max Chernesky at the Father Sean O'Sullivan Research Centre. Max played a major role in developing urine testing for diagnosing STDs and vaginal self-sampling for cervical infections. John saw this as a huge non-invasive testing opportunity for screening for cervical cancer. John moved to Seattle in 1999 to work at PATH, a non-profit global organization, based in Seattle and part of Bill Gates' global health initiatives. He undertook ground-breaking large screening projects in India, China and Kenya with point of care testing for cervical cancer.

What can YOU do for the archive?

Our department is large and so far our focus has been on faculty members, alumni, and individuals who have played leadership roles, and have retired, moved on or are deceased. But we are not limiting ourselves to these collections. So far we have about fifteen oral histories and thousands of pages of materials both in hard copy and digitally in our administrative and individual collections. This is a "work in progress" and we welcome you to share whatever you might wish to contribute.

If you have a story to share, or you would like to archive your career and put a collection of your materials, photos or memorabilia in the Department of Family Medicine Archive, please contact Dr. Cheryl Levitt at clevitt@mcmaster.ca to make an appointment to meet.

Postgraduate Education

CaRMS

We have moved to a new and exciting format for our CaRMS interviews called a Modified Personal Interview (MPI). This consists of four separate interview stations with four separate interviewers; two residents; two faculty. This approach is intended to get to know the applicants as well as assess their interest and suitability for Family Medicine. We have submitted a paper to both ICRE and FMF conferences to present this innovative approach as we are the only Family Medicine Program across the country using this format.

We also invested in a new platform called Plank which houses our file review scoring and applicant files. It also acts as a communication portal to applicants, resident and faculty volunteers, as well as an interview scheduler for both applicants and administrative functions. Future developments include a ranking portal and potential scoring analysis.

Leadership Roles in Resident Curriculum and Assessment

This year we reviewed the governance and leadership structure of program, and in the process created two new important leadership roles -- Curriculum Director and Assessment Director. These roles are integral to our continued implementation of a competency-based approach. This includes the development and implementation of a fulsome curriculum map, and the ongoing evolution of an overall resident assessment strategy including e-portfolio and competency committees. We were pleased to welcome Dr. Amie Davis as the inaugural Curriculum Director (in May 2018), and Dr. Joe Lee as the incoming Assessment Director (as of July 2018).



The new InQuery (IQ) Curriculum

We began the process of a large scale review and renewal of our Quality Assurance (QA) and Evidence-Based Medicine (EBM) curricula, led by Dr. Dale Guenter. The result was the development of an integrated InQuery (IQ) Curriculum, intended to develop residents' skills as both knowledge users and knowledge contributors. It also integrates broader concepts related to research, scholarship and transition to practice, through a progressive 2 year curriculum. Hamilton Site Residents and Tutors participated in an early pilot introducing some of the new content and format, with huge success. Plans are a broader pilot for 2018-2019, with a full roll out anticipated the following year.



Undergraduate Education

Clerkship Curriculum Redesign

The Key Feature Exam at the end of the Family Medicine Clerkship rotation was revised to MCQ format to allow computer marking using an electronic platform called Exam Soft. The ultimate goal is to work on a national family medicine clerkship exam using this platform. There is some interest from a few other schools and we will continue to work toward this as national initiative.

Dr. Keyna Bracken received \$5000 from UGME and \$50,000 from FHS Educational Innovational Grant to start work on a layered learning “super tutorial” format. The goal is to adapt various cases from MF1-5 to promote the integration of core topics within a clinical environment. The new curriculum will be implemented in April 2019.

Family Medicine Interest Group Events

Medical Students planned two successful events again this past year; a Spring Wine & Cheese event and a Fall Open House. Both involve participation from Family Medicine faculty, residents, and staff.

The Undergraduate Electives Fair this past year included representation from Family Medicine, Research Enterprise and the Division of Palliative Care.



Super Tutorials

The COMPASS curriculum used at the DeGroote School of Medicine at McMaster University was initiated in 2006 and is currently under revision. In an effort to provide a more spirally integrated curriculum that is mindful of adult learning theories and cognitive psychology, the family medicine clerkship is updating its tutorial structure.

“Integration should promote retention of knowledge and acquisition of skills through repetitive and progressive development of concepts and their applications.” (AMEE Guide No. 96). The goal is to develop an electronic tutorial curriculum that embodies this concept by revisiting Medical Foundation tutorial cases adding layers of complexity and integrating disciplines.

The “P” in COMPASS stands for Practice to transfer, which includes the ability to transfer previous knowledge and apply into a different context. This was noticeably absent from previous versions of the COMPASS curriculum, and it is key in the formation of this innovative curricular component. We will select tutorial problems from pre-clerkship that emphasize core concepts applicable to clinical situations and facilitate the application of these concepts to new, more complex clinical ones.

The cases that will be chosen will cross the lifespan and reflect clinically important areas in Family Medicine including complex, continuing, and palliative care.

Students will be expected to work through the tutorial content in a self-directed format similar to their pre-clerkship experience, completing self-assessment questions (SAQs) and concept appraisal exercises (CAEs). The repetition of small tests has proven to be effective over equal time studying and should prepare the learners for the clinical decision-making focused exit examination.

At designated times during the rotation, students will participate in a live “super tutorial” session facilitated by multidisciplinary faculty germane to the cases being discussed. The exercises, previously completed by the students, will be assessed and form part of a new multi-sampling assessment across the clerkship block. Students will be expected to relate clinical cases encountered during their time with their preceptors to the concepts discussed at the “super tutorial” session.

This curricular innovation is applicable to any of the current clerkship rotations and could be easily modified to include a unique McMaster ‘Spirally Integrated Longitudinal Clerkship’ (SILC) for variable composition and duration. Outcomes of currently used exit exams and the high stakes LMCC could be used to determine the effectiveness of the curricular integration strategy.

Teaching Sites

Brampton

The 2017-2018 academic year began with a very significant change at the Brampton Family Medicine Teaching Site. Our office relocated to the new Peel Memorial Centre for Integrated Health and Wellness in June 2017.

Built on the grounds of the old Peel Memorial Hospital, this site offers the Brampton community a more central location for accessing health care services including a state of the art urgent care centre as well as clinics for women & children's health, mental health, ambulatory clinics, and day procedures. Our program has partnered with many of these clinics to create learning opportunities for our residents that will enhance their knowledge and skill in areas complementary to the family medicine setting.

We have also made enhancements to our academic teaching program, creating more opportunities for resident teaching with our Family Medicine Teaching Series, organized by our Chief Residents. Our Block 7 events included teaching Grade 8 students at Springbrook Middle School, clinicians teaching yoga, Reiki and magic in medicine. In addition, an 'Amazing Patient Journey' experience was launched, where learners were tasked with navigating through a shopping experience with a social, psychological or physical impairment, raising their awareness and empathy on these issues.

A Resident Wellness Committee was struck by a group of PGY-1 residents and they readily have a voice at our site education council.

Faculty development sessions at our site included a Mindfulness in Teaching seminar, an introduction to the McMaster and William Osler Health System library services and a session about the Professional Association of Residents of Ontario (PARO) contract, addressing some of the most common questions raised by faculty.



Grand Erie Six Nations

Grand Erie Six Nations had an excellent academic year. We continued our efforts to provide the highest quality personalized training to our family medicine residents. There was great progress in incorporating Indigenous health education throughout the two-year curriculum. Furthermore, we built on our previous successes with longitudinal multi-scenario simulations and began a research project to demonstrate their effectiveness in medical education. In addition, we resumed having preceptors located in Simcoe which expanded clinical opportunities. We continue to receive excellent resident evaluations and are very proud of the first-class training they receive at our site.



Teaching Sites

Halton

The 2017-2018 academic year has been a year that the Halton Site has demonstrated strength and growth through many transitions. Melanie Pulling, our site Education Associate transitioned to a central role, and we welcomed Jennifer Koch into our site.

In Mental Health and Behavioural Sciences, we welcomed Dr. Angela Jones as a new tutor, representing an expansion to her role as a primary preceptor for family medicine residents and an undergraduate supervisor. Due to her ongoing commitment to quality education and superb clinical teaching, Dr. Angela Jones also received the MacCARE 2017-18 Preceptor Teaching Award for the Burlington region.

Dr. Amie Davis was honored to be able to share some of her leadership experience and insights by acting as an interim Site Director for the Niagara Family Medicine Residency Site, in addition to her role as Halton Site Director.

Our hospital partners also continued to grow and change as the new patient tower opened at Joseph Brant Hospital, and the entire medical program shifted into its new space. Despite multiple changes, collaborative efforts with Halton Health Sciences and Joseph Brant allowed us to maintain and enhance our clinical teaching capacity throughout this transition.

Our faculty also formally reaffirmed their commitment to teaching “comprehensive generalism” to our learners, recognizing some of the changes that have occurred in practice patterns within our communities, but collaborating within our faculty to provide broad exposure to residents to the full-scope of family medicine including inpatient care.

Within all of these transitions, we continued to have successful recruitment, matching fully in the first iteration of CARMS, and continue to retain a significant portion of our graduating class within the Halton region, working in both inpatient and outpatient environments.



Teaching Sites

Hamilton

The Hamilton site continues to provide exemplary educational collaboration and leadership within its three teaching units: the Community-Based Residency Teaching unit (CBRT), McMaster Family Practice (MFP), and Stonechurch Family Health Centre (SFHC).

Forty-three primary preceptors across our three teaching units contributed to the educational success of 92 Family Medicine Residents in their PGY1 and PGY2 years: CBRT (14), MFP (41), SFHC (37). These preceptors were supported in their work by strong interprofessional colleagues and education staff. Both MFP and SFHC continued their annual contribution to the postgraduate psychiatry program, accommodating an additional 5 psychiatry residents for core rotations.

The Hamilton site celebrated several resident award winners: Dr. Skylar Neblett- CBRT Resident Leadership Award, Dr. Lita Cameron- MFP Resident Leadership Award, Dr. Sara Colozza- SFHC Resident Leadership Award, Dr. Curtis Foong- SJH Family Medicine Resident of the Year Award, Drs. Helena Liu and Waed Mallah- SFHC Professionalism Awards. Dr. Skylar Neblett also won the Resident Research Award for her project on “Opioid Monitoring and Improvement in Average MEQ Dose”.

We welcomed Ms. Karyn Bailey as the new Education Associate for Hamilton Site. We also welcomed back Ms. Lina Beltrano from maternity leave, as the CBRT and maternal-child rotation Education Associate. Both Karyn and Lina balance many roles within their portfolios, to ensure smooth operation with regards to education in Hamilton Site.

We were excited to collaborate with Dr. Joyce Zazulak as the new Faculty Development Director and Lead for Resident Support and Remediation. With Dr. Jon Miklela, our site hosted its annual faculty development session, facilitated this year by Drs. Joyce Zazulak, Sarah Kinzie and Heather Waters on “Supporting the Learner in Difficulty”. Near the conclusion of the academic year, we were excited to welcome Dr. Cindy Donaldson (CBRT) as the new Faculty Development Coordinator for Hamilton site.

It was a year of transition for technology, with the postgraduate program launching its use of the new Medsis information system, and St. Joseph’s Healthcare Hamilton switching to its new Dovetale electronic medical record. Our program also introduced its new competency-based In-training Assessment Reports (ITARs) for resident assessment. Significant effort was invested in supporting residents, staff and faculty in advance of and throughout the process to facilitate successful transition.



Teaching Sites

Hamilton, continued

Dr. Tejal Patel, supported by Drs. Sarah Kinzie and Heather Waters, collaborated with colleagues in obstetrics/gynecology, midwifery, physiotherapy, public health and newborn care to develop and prepare for the launch of an enhanced two block maternal-child rotation to start in 2018. The transition to this model is possible with the continued excellent care and resident teaching by our team of 15 clinical supervisors at the Maternity Centre.

In the CBRT, Dr. Nathalie Desbois continued her leadership role as Education Coordinator, and hosted the annual “hello-goodbye event” to welcome incoming CBRT residents and bid farewell to graduating residents. The popular celebration was well attended by faculty and residents. CBRT continued its collaboration with Halton Site for resident research day. Residents continued to enjoy Parallel Chart Rounds with Dr. Cindy Donaldson.

At MFP, Education Coordinator Dr. Danielle O’Toole welcomed twins and started a maternity leave! We were pleased to welcome Dr. Justin Weresch into the interim Co-Education Coordinator role, shared with Ms. Jan Baxter. Dr. Jon Miklea continued to offer horizontal learning opportunities for residents in his adolescent health outreach clinic geared towards marginalized youth. A collaborative initiative for breastfeeding support for infants with torticollis was launched by Ms. Laura Doyle along with public health and nursing, available to residents as a horizontal elective. Dr. Robin Lennox, along with community partners, spearheaded the opening of Hamilton’s overdose prevention site as well as the in-patient addiction medicine consult service. This is available to residents during elective time and through the extension of the social medicine curriculum pilot project. MFP continues to build internal capacity to meet the growing need for medical abortion care in Hamilton, including resident attendance at educational rounds with the goal of including residents in these clinical consultations.



At SFHC, Dr. Danielle West continued in her leadership role as Education Coordinator. Monthly Journal Club for residents was facilitated by Dr. Ainsley Moore, in a team-based format with rapid review of topical and controversial articles, including critical appraisal and discussion of applicability to practice. Bi-weekly procedural skills clinics, under the leadership of Dr. Henry Siu, provided residents the opportunity to assess and determine the most appropriate procedure, and to perform it with graded supervision. Learning Together Rounds provided a monthly opportunity for residents to present a topic of interest to their peers and the interprofessional clinician team. Dr. Erin Gallagher was the recipient of the SFHC Educator of the Year Award.

The IUD clinics at MFP and SFHC provided interested residents and nursing colleagues with educational experiences in IUD insertion. This highly sought-after elective opportunity is open to all residents at these sites.

An interprofessional team from MFP and SFHC developed internal infrastructure and community resourcing to support Medical Assistance in Dying (MAID). This includes educational rounds, as well as resident opportunity for participation in the MAID process.

As evidenced through the selection of highlights above, Hamilton Site is proud to continue its tradition of collaboration, innovation and excellence in education, while offering residents a diverse, stimulating and responsive residency training experience grounded in the principles of the College of Family Physicians Canada’s competency-based Triple C Curriculum.

Teaching Sites

Kitchener-Waterloo & Area

The KW & area site is filled with an eager, innovative faculty, staff, and learners who are at the leading edge of many areas of primary care including dementia, the physically disabled, digital health, and refugee health.

- Dr. Marc Sawyer began his term as Site Director of the KW and Area Program, taking the help from Dr. Joseph Lee, who has held the role for 13 years. Great job Joe!
- The Family Medicine training program continues to expand, with new full time training sites in Cambridge and Waterloo
- New experiences developed in local KW global health including refugee health, vulnerable populations, and digital health
- Continued innovation with partial integrated family medicine blocks to expose learners to the comprehensiveness, continuity, and breadth of family medicine
- Strong role models in family medicine including the 2018 Ontario Regional Family Physician of the Year (Dr. Joseph Lee) and 2018 CFPC Award of Excellence Dr. Mohamed Alarakhia, who was recognized for his contribution to digital health in family medicine, which has been instrumental in creating a better-connected system in Waterloo-Wellington



Niagara

The Niagara Site underwent its first leadership change. Dr. Reg Quart, who successfully led the site from its inception in 2009 stepped down in August 2017. Dr. Amie Davis, the Halton site director provided excellent leadership as interim Site Director. Dr. Karl Stobbe became Site Director in January 2018. New preceptors were added in 2018: Dr. Preston Zuliani in St. Catharines, Dr. Ehab Wassif in Niagara Falls and Dr. Ron Ireland in Beamsville. All are experienced educators. Dr. Zuliani is a former president of College of Physicians and Surgeons of Ontario, Dr. Wassif serves on the Niagara Regional Campus executive, and Dr. Ireland has been the continuing education lead at West Lincoln Memorial Hospital for decades.

Teaching Sites

Rural Stream

There were a few changes within the Rural Stream in 2017-18. The most significant change was the addition of preceptors at the Grimsby site and the hiatus of our Simcoe lead. Our retreats were held in Grimsby and Collingwood and were well-received by the residents. We continued to offer the high-fidelity simulation training in Hamilton for Block 7 and this was definitely a highlight for our residents.

While many of our R2s successfully applied and received 3rd year training spots in areas of Emergency Medicine and Anesthesia as well as self-directed programs, others were able to begin practice in their training communities or other rural sites in Ontario.

Moving into 2018-19 we are able to re-integrate Simcoe as a site into our program and improve inter-site communications and involvement.



Divisions

Palliative Care

This academic year marked the 15th anniversary of the Division of Palliative Care and was indeed pivotal. A wide reaching, consensus-driven interprofessional Strategic Planning exercise crystallized future priorities for the Division. Renewed emphasis on “Primary Care Palliative Care” capacity building, the Public Health Approach to Palliative Care, and adopting a more comprehensive view to teaching the “Palliative Approach to Care” helped shape curricula redesign. It also helped inform an update of the Palliative Care Traineeship for practicing family doctors who wish to enhance their palliative care competencies. A novel elective for undergraduate health science students in Public Health Palliative Care was created and successfully launched. The Division’s research continued to grow in directions aligning to strategic priorities as faculty participated in and published on a variety of ground-breaking applied research initiatives as part of cross-department and cross-institution collaborations.

Emergency Medicine

This year, Emergency Medicine saw many great changes and accomplishments. A Canadian Association of Emergency Physicians review was initiated. The goals of this review are to increase division academic presence, improve collaboration with Pediatric and Respiratory Care divisions, increase efficiencies of resources and avoid duplication of activities. The competence by design transition is occurring with Entrustable Professional Activities that are consistent with the national EPA curriculum in Emergency Medicine enhanced skills.

We welcomed Drs. Kevin Dong, Rob Baraniecki, Joanna Mahn to our team. Dr. James Beecroft is now our Regional Education Lead in Niagara and Dr. Lorraine Colpitts is our representative in KW. Dr. Erich Hanel is leading our Division’s increasing involvement in block 7 teaching of Family Medicine residents.

We held our annual resident retreat in Collingwood, which provided a beautiful setting for residents to learn some practical aspects of practice. And, the CCFP(EM) class of 2018 again had a 100% pass rate.

McMaster Family Health Team

Highlights

MFHT was the first group to contribute data to a Primary Care Data Sharing pilot project with three other Family Health Teams. This initiative also includes the Centre for Family Medicine FHT in Kitchener.

We are working with our Patient Advisory Committee on a new project to improve communication in our clinics. This follows work done last year to improve patients' understanding of what a resident is.

A new MFHT program for torticollis and breastfeeding began this year — partnering with local hospitals' newborn and treatment programs, and internally with the Maternity Centre's RPN Loren Harding.

We have been working with Hamilton Public Health on a project to provide them with reporting on influenza-like-illness.

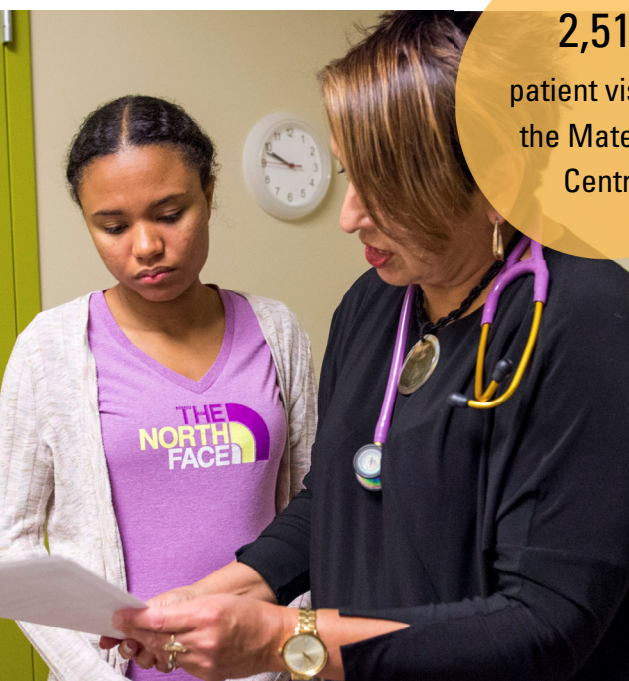
MFHT was one of the first primary care organizations participating in the pilot phase of the full time, embedded Care Coordinators from Hamilton-Niagara-Haldimand-Brant LHIN Home and Community division.

approximately
40,000
patients served

nearly
800
home visits
by members of the
interprofessional
health care team

94%
of patients are happy
with the services and
access provided to
them

2,519
patient visits to
the Maternity
Centre



Research

This year, the Department published 71 peer reviewed journal articles and one book chapter. Faculty members are participating in over \$16.8 million of new research funding from this year with over \$660,000 of that funding coming directly to our faculty members as the Principal Investigator of the study.

Our Research Team engaged in a process to identify key research themes and vision. We developed a strategic plan for research to underpin this and carry us forward. The overarching themes can be seen in the image to the right.

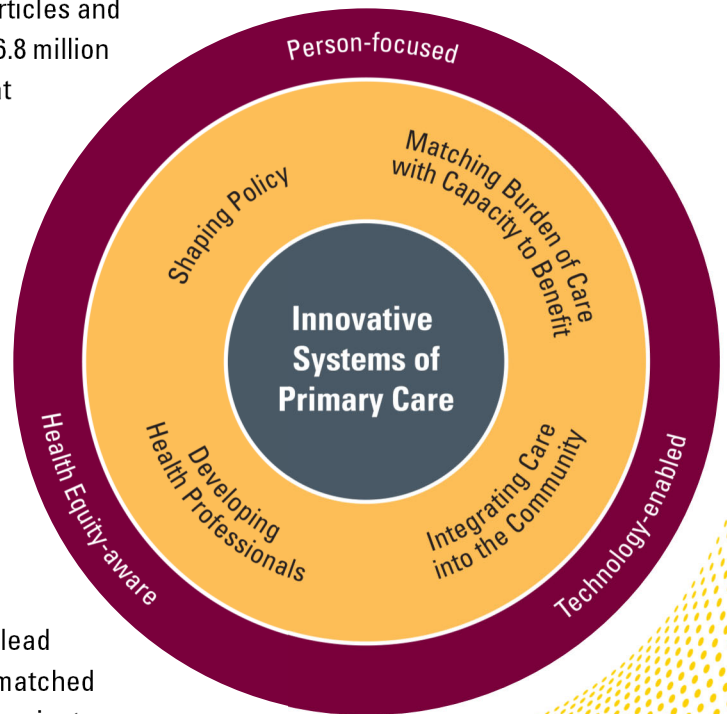
This year, medical historian Ellen Amster joined the Department – she is the Hannah Chair in the History of Medicine and leads the Medical Humanities Research Portal.

We are excited by the momentum in research across full-time faculty. The DFM research team now has 61 staff and students, supporting 72 active research grants for 18 faculty members as lead investigators. Our new medical student volunteer program has matched seven undergrad med students with our primary care research projects.

Members of DFM are building momentum in research through projects of all sizes. Some highlights from the larger projects include:

A new and unique partnership with the Canadian Red Cross (CRC), is allowing us to develop research both in Canada and globally. CRC volunteers are implementing our Health TAPESTRY Ontario project, connecting patient priorities and needs with multidisciplinary team huddles across six sites. CRC awarded DFM with their Partners in Humanity Citation for our work together, including Health TAPESTRY.

The Community Health Assessment Program in the Philippines (CHAP-P), a partnership with the Ateneo de Zamboanga University School of Medicine, entered the RCT phase of the project this June, testing an adaptation of the CHAP program for low- and middle-income countries.



Participating in
\$16.8 million
in new research
funding

Over
\$660,000
to DFM faculty
members as study PIs

Our practice-based research network, the McMaster University Sentinel and Information Collaboration (MUSIC), is gaining momentum. The MUSIC team has improved data quality, provided feedback on comparative data on their practices to participating physicians, processed multiple data requests in the last year and produced the first publications using the data. We now are onboarding additional interested sites.

Community Paramedicine at Clinic (CP@Clinic) team, led by Gina Agarwal showed that for older adults living in subsidized housing, the paramedic-led CP@Clinic program significantly reduced 911 calls, improved quality of life and function, and lowered blood pressure.

The longitudinal CATCH study (Coordination and Activity Tracking in Children) at the Infant and Child Health (INCH) Lab, led locally by Matt Kwan, has enrolled nearly 600 participants. The longest-running participants have been with the study for 5 years.

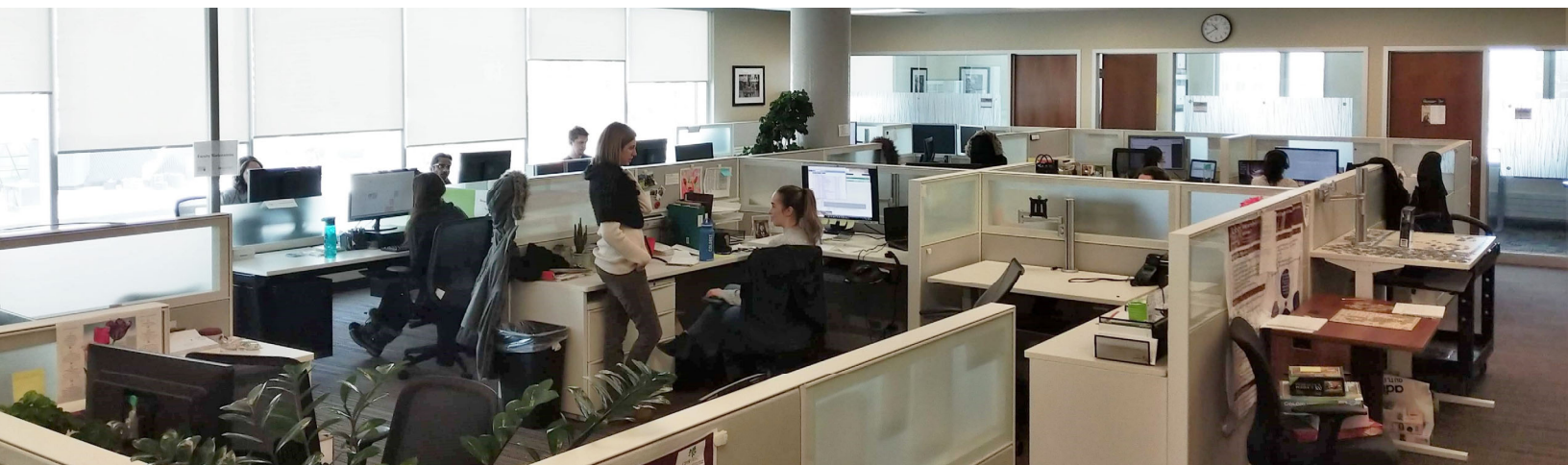
The Improving Advance Care Planning in General Practice project (iGAP) led by Michelle Howard and related Advance Care Planning projects at DFM have had a successful year — drawing new funding, presenting at numerous conferences and advancing their research onto new stages. Henry Siu's work in Advance Care Planning in long-term care completed data collection and has entered a phase of Knowledge Translation.

The TAPER (Team Approach to Polypharmacy Evaluation and Reduction) research program led by Dee Mangin is now running trials in Canada in community-based primary care (with CIHR funding), long term care, community based pharmacy, and in three sites in Australia (with NIHR funding).

Meredith Vanstone and Lawrence Grierson's work in medical education research continues to see success and growth, bringing new members to our research team.

Prison health research by Fiona Kouyoumdjian has continued a successful publication schedule, drawing on administrative health data from ICES and the Ministry of Community Safety and Correctional Services.

Learn more about research at DFM: fammedmcmaster.ca/research



Publications And Grants

Journal Articles

Agarwal G, Brydges M. Effects of a community health promotion program on social factors in a vulnerable older adult population residing in social housing. *BMC Geriatrics* 2018; 18:95.

Agarwal G. Strengthening family medicine: a Canadian perspective and the RCGP International and Overseas Network. *BJGP Open*. bjgpopen17X101301

Ailabouni N, Tordoff J, **Mangin D**, Nishtala PS. Do Residents Need All Their Medications? A Cross-Sectional Survey of RNs' Views on Deprescribing and the Role of Clinical Pharmacists. *Journal of Gerontological Nursing* 2017; 43(10), 13-20

Albina A, Archer L, Boivin M, Cranmer H, Johnson K, Krishnaraj G, Maneshi A, Oddy L, **Redwood-Campbell L**, Russell R. International Emergency Medical Teams Training Workshop Special Report. *Prehospital and Disaster Medicine*. 2018; 33(3):1-4

Antao V, Cavett T, **Walsh A** et al. Leading from where you teach: the educational leader role. *Canadian Family Physician* *Canadian Family Physician* October 2017; 63 (10) 808-812

Baird J, **Vanstone M**. Professionalism's contextual nature: a call for compassionate, constructive responses. *Medical Education* 2017; 51(7):678-679

Baker L, Leslie K, Panisko D, **Walsh A**, Wong A, Stubbs B, Mylopoulos M. Exploring Faculty Developers' Experiences to Inform Our Understanding of Competence in Faculty Development. *Academic Medicine*. 2017 Jul 3.

Baskwill A, **Vanstone M**. "Just don't be creepy": A phenomenological study of the experiences of men in massage therapy. *Journal of Complementary and Integrative Medicine* 2017; 15(1)

Bello AK, Ronksley PE, Tangri N, Singer A, Grill A, Nitsch D, Queenan JA, Lindeman C, Soos B, Freiheit E, Tuot D, **Mangin D**, Drummond N. A national surveillance project on chronic kidney disease management in Canadian primary care: A Study Protocol. *BMJ Open* 2017;7:e016267

Benoit JM. Cannabis Review. *Canadian Family Physician*. 2018; 64 (4):249.

Brown A, **Greenway M**, **Kwan M**, **Grierson LE**. Education as a context for early engagement in quality improvement. *Medical Education* 2017; 51(11):1164-1165

Brown A, Nidumolu A, Stanhope A, Koh J, **Greenway M**, **Grierson L**. Can first-year medical students acquire quality improvement knowledge prior to substantial clinical exposure? A mixed-methods evaluation of a pre-clerkship curriculum that uses education as the context for learning. *BMJ Quality & Safety* 2017; 27(7):576-582

Brožek JL, Bousquet J, Agache I, Agarwal A, Bachert C, Bosnic-Anticevich S, Brignardello-Petersen R, Canonica GW, Casale T, Chavannes NH, Correia de Sousa J, Cruz AA, Cuello-Garcia CA, Demoly P, Dykewicz M, Etzeandía-Ikobaltzeta I, Florez ID, Fokkens W, Fonseca J, Hellings PW, Klimek L, Kowalski S, Kuna P, Laisaar KT, Larenas-Linnemann DE, Lødrup Carlsen KC, Manning PJ, Meltzer E, Mullol J, Muraro A, O'Hehir R, Ohta K, Panzner P, Papadopoulos N, Park HS, Passalacqua G, Pawankar R, **Price D**, **Riva JJ**, Roldán Y, Ryan D, Sadeghirad B, Samolinski B, Schmid-Grendelmeier P, Sheikh A, Togias A, Valero A, Valiulis A, Valovirta E, Ventresca M, Wallace D, Waserman S, Wickman M, Wiercioch W, Yepes-Núñez JJ, Zhang L, Zhang Y, Zidarn M, Zuberbier T, Schünemann HJ. Allergic Rhinitis and its Impact on Asthma (ARIA) guidelines-2016 revision. *Journal of Allergy and Clinical Immunology*. 2017; 140: 950-8.

Cairney J, Veldhuizen S, **Graham JD**, **Rodriguez C**, **Bedard C**, **Bremer E**, Kriellaars D. A Construct Validation Study of PLAYfun. *Medicine & Science in Sports & Exercise* 2018; 50(4):855-862.

Chahine S, Kulasegaram KM, Wright S, Monteiro S, **Grierson LE**, Barber C, Sebok-Syer SS, McConnell M, Yen W, DeChamplain A, Touchie C. A Call to Investigate the Relationship Between Education and Health Outcomes Using Big Data. *Academic Medicine* 2018; 93(6):829-832

Donnelly C, O'Niell C, **Bauer M**, Letts L. Canadian Occupational Performance Measure (COPM) in Primary Care: A Profile of Practice. *American Journal of Occupational Therapy*, 71(6): 1-8.

Fowler N, Martino F, Ng V, Sisler J, Wyman R. Career in family medicine. *Canadian Family Physician*. 2018; 64 (4):248-249

Gao L, Tadrus M, Knowles S, Mamdani M, **Paterson JM**, Juurlink DJ, Gomes T. Prior Authorization and Canadian Public Utilization of Direct-acting Oral Anticoagulants. *Healthcare Policy* 2017; 13 (2):68-78

Gomes T, Juurlink DJ, Mamdani MM, **Paterson JM**, van den Brink W. Prevalence and characteristics of opioid-related deaths involving alcohol in Ontario, Canada. *Drug Alcohol Dependence* 2017; 179:416-423

Gomes T, Juurlink DN, Antoniou T, Mamdani MM, **Paterson JM**, van den Brink W. Gabapentin, Opioids and the Risk of Opioid-Related Death: A Population-Based Nested Case-Control Study. *PLOS Med* 2017; 14(10): e1002396

Gomes T, Mastorakos A, **Paterson JM**, Sketris I, Caetano P, Greaves S, Henry D; Canadian Network for Observational Drug Effect Studies Investigators. Changes in the dispensing of opioid medications in Canada following the introduction of a tamper-deterrent formulation of long-acting oxycodone: a time series analysis. *CMAJ Open*. 2017; 5(4):E800-E807

Grad R, Légaré F, Bell NR, Dickinson JA, Singh H, **Moore AE**, Kasperavicius D, Kretschmer KL. Shared Decision Making in Preventive Health Care: What it is; what it is not. *Canadian Family Physician* Sep 2017; 63 (9) 682-684;

- Grad R, Pluye P, Wong E, Brailovsky C, Moscovici JL, Kaczorowski J, Rodriguez C, Luconi F, Rousseau M, Karanofsky M, Delleman B, Kegel S, Mercuri M, Kluchnyk M, **Schabort I**. Do Weekly Alerts From a Mobile Application Influence Reading During Residency?. *PRiMER*. 2017; 1:8. DOI: 10.22454/PRiMER.2017.243866
- Grierson LEM**, Mercuri M, Brailovsky C, Cole G, Abrahams C, Archibald D, Bandiera G, Phillips SP, Stirrett G, Walton JM, Wong E, **Schabort I**. Admission factors associated with international medical graduate certification success: A collaborative retrospective review of post-graduate medical education programs in Ontario. *CMAJ Open* 5(4);e785-790.
- Haidar H, **Vanstone M**, Laberge AM, Bibeau G, Ghulmiyyah L, Ravitsky V. Cross-cultural perspectives on decision-making regarding non-invasive prenatal testing: A comparative study of Lebanon and Quebec. *American Journal of Bioethics: Empirical Bioethics* 2018; 9(2):99-111
- Henry PDG, Park SS, **Paterson JM**, Kreder HJ, Jenkinson R, Wasserstein D. Risk of Hip Arthroplasty After Open Reduction Internal Fixation of a Fracture of the Acetabulum: A Matched Cohort Study. *Journal of Orthopaedic Trauma* 2017; 32 (3):134-140
- Ho J, Tung J, Maitland J, **Mangin D**, Thabane L, Pavlin JM, Alfonsi J, Holbrook A, Straus S, Benjamin S. GeriMedRisk, a Telemedicine Geriatric Pharmacology Consultation Service to Address Adverse Drug Events in Long-Term Care: A Stepped-Wedge Cluster Randomized Feasibility Trial Protocol (ISRCTN17219647). *Pilot and Feasibility Studies* 2018; 4:116.
- Howard M**, Bansback N, Tan A, Klein D, Bernard C, Barwich D, Dodek P, Nijjar A, Heyland DK. Recognizing difficult trade-offs: Values and treatment preferences for end-of-life care in a multi-site survey of adult patients in family practices. *BMC Medical Informatics and Decision Making*. 17:164.
- Howard M**, Bernard C, Klein D, **Elston D**, Tan A, Slaven M, Barwich D, You JJ, Heyland DK. Barriers to and enablers of advance care planning with patients in primary care: Survey of Health Care Providers. *Canadian Family Physician*. 2018; 64 (4) e190-e198;
- Howard M**, Day AG, Bernard C, Tan A, You J, Klein D, Heyland DK. Development and psychometric properties of a survey to assess barriers to implementing advance care planning in primary care. *Journal of Pain and Symptom Management* 2017; 55 (1):12-21
- Hunter P, Kaasainen S, Froggatt K, Ploeg J, **Dolovich L**, Simard J, Salsali M. Using the ecological framework to identify barriers and enablers to implementing Namaste Care in Canada's long-term care system. *Annals of Palliative Medicine*. 2017;6(4):340-353.
- Imran SA, **Agarwal G**, Bajaj HS, Ross S. Targets for Glycemic Control. 2018 Clinical Practice Guidelines. *Canadian Journal of Diabetes*. 2018; 42:S42-S46.
- Khan K, Rojas D, Kapralos B, **Grierson LEM**, Dubrowski A. Using a social educational network to facilitate peer-feedback for a virtual simulation. *ACM Computers in Entertainment, Special Issue on Deep Learning, Ubiquitous and Toy Computing* 2018; 16(2): 5
- Kibel M, **Vanstone M**. Reconciling ethical and economic conceptions of value in health policy using the capabilities approach: A qualitative investigation of Non-Invasive Prenatal Testing. *Social Science and Medicine* 195: 97-104.
- Kouyoumdjian F** (Guest Editor) Chronic Disease Prevention in Canada 2018; 38 (6) The Opioid Crisis in Canada - Enhancing Knowledge to Support Action, Part I
- Kouyoumdjian F**, Patel A, To MJ, Kiefer L, Regenstreif L. Physician prescribing of opioid agonist treatments in provincial correctional facilities in Ontario, Canada: A survey. *PLoS ONE*. 13(2): e0192431
- Kouyoumdjian FG**, McIsaac KE. Unknown Unknowns: We Need to Know How Many People Experience Imprisonment in Canada. *The Open Public Health Journal* 2017;10: 226-231.
- Lang E, Bell NR, Dickinson JA, Grad R, Kasperavicius D, **Moore AE**, Singh H, Thériault G, Wilson BJ, Stacey D. Eliciting patient values and preferences to inform shared decision making in preventive screening. *Canadian Family Physician*, 2018; 64(1): 28-31.
- Li G, Jin Y, Mbuagbaw L, **Dolovich L**, Adachi JD, Levine MAH, Cook D, Samaan Z, Thabane L. Enhancing research publications and advancing scientific writing in health research collaborations: sharing lessons learnt from the trenches. *Journal of Multidisciplinary Healthcare*. 2018; 11: 245-254
- Lingard L, Sue-Chue-Lam C, Tait G. R, Bates J, **Shadd J**, Schulz V. For the Heart Failure/Palliative Care Teamwork Research Group Pulling together and pulling apart: influences of convergence and divergence on distributed healthcare teams *Advanced in Health Sciences Education* 2017; 22 (5):1085-1099
- Majid U, Kandasamy S, **Arora N**, **Vanstone M**. Patient Perspectives and Experience in HPV Testing for Primary Cervical Cancer Screening: a health technology assessment. Ottawa: CADTH 2018
- Martin L, Gitsels J, de Boer M, **Vanstone M**, Henneman L. Introduction of non-invasive prenatal testing as a first-tier aneuploidy screening test: A survey among Dutch midwives about their role as counsellors. *Midwifery* 2018; 56:1-8.
- Millar E, Dowell A, Lawrenson R, **Mangin D**, Sarfati D. Clinical Guidelines: what happens when people have multiple conditions? *New Zealand Medical Journal*. 2018; 131(1472):73-81.
- Moore AE**, Straus SE, Kasperavicius D, Bell NR, Dickinson JA, Grad R, Singh H, Thériault G, Thombs BD, Colquhoun H. Knowledge translation tools in preventive health care. *Canadian Family Physician* 2017;63(11): 853-858.
- Muscudere J, Kim P, Aitken P, Gaucher M, Osborn R, Farrell B, Holroyd-Leduc J, Mallery L, **Siu H**, Downar J, Lee TC, McDonald E, and Burry L. Proceedings of the Canadian Frailty Network Summit: Medication Optimization for Frail Older Canadians, Toronto, Monday April 24, 2017. *Canadian Geriatrics Journal* 2017; 20(4): 253 -263.
- Ng V, **Walsh A**, deSilva N, Politi E, Gruskauskas, H. Striving for the best: WONCA Global Standards for Continuing Professional Development for Family Doctors. *Education for Primary Care* 2018; 29(3):124-131

- Nowak D, Yeung J. Diagnosis and treatment of pruritus. *Canadian Family Physician* December 2017; 63 (12) 918-924.
- O'Neill L, Samaan Z, McCabe K, Tabak TA, Key B, Litke K, Whattam J, Garrick L, Chalmers S, Xie F, Thabane L, Patel Y, Shahid H, Zielinski L, **Vanstone M**. Patient experiences and opinions of an enhanced Behavioural Activation group intervention for depression. *Research on Social Work Practice* 2018; 29(1): 10-18
- Oliver D, Dolovich L, Lamarche L, Gaber J, Avilla E, Bhamani M, Price D**. A Volunteer Program to Connect Primary Care and the Home to Support the Health of Older Adults: A Community Case Study. *Frontiers in Medicine* 2018; 5:48
- Pincus D, Ravi B, Wasserstein D, Huang A, **Paterson JM**, Nathens AB, Kreder HJ, Jenkinson RJ, Wodchis WP. Association Between Wait Time and 30-Day Mortality in Adults Undergoing Hip Fracture Surgery. *JAMA*. 2017; 318(20):1994-2003.
- Ravi B, Pincus D, Wasserstein D, Govindarajan A, Huang A, Austin PC, Jenkinson R, Henry PDG, **Paterson JM**, Kreder HJ. Association of Overlapping Surgery With Increased Risk for Complications Following Hip Surgery: A Population-Based, Matched Cohort Study. *JAMA Internal Medicine*. 2018; 178(1):75-83.
- Rojas D, **Grierson L**, Mylopoulos M, Trbovich P, Bagli D, Brydges R. How can systems engineering inform the methods of programme evaluation in health professions education? *Medical Education* 2018; 52(4):364-375
- Rouleau K, Bourget M, Chege P, Couturier F, Godoy-Ruiz P, Grand'Maison PH, Israel K, Kapoor V, Kurniawan H, Lobo L, Maiga M, Pereira Franca S, **Redwood-Campbell L**, Rodas J, Sohal R, Wondimagegn D, Woolard R. Strengthening Primary Care Through Family Medicine Around the World: Collaborating Toward Promising Practices. *Family Medicine* 2018; 50(6):426-436.
- Schulz VM, Crombeen AM, **Marshall D, Shadd J**, LaDonna KA, Lingard L. Beyond simple planning: Existential dimensions of conversations with patients at risk of dying from heart failure. *J Pain Symptom Manage* 2017; 54:637-644.
- Smith-Turchyn J, Gravesande J, **Agarwal G, Mangin D**, Javadi D, Peter J, Parascandolo F, **Dolovich L**, Richardson J. A Healthy Lifestyle App for Older Adults with Diabetes and Hypertension: Usability Assessment. *Int. J. of Healthcare Technology and Management* 2017; 16(3/4), 250-270.
- Stairmand J, Gurney J, Stanley J, Millar E, Davies C, Dowell A, **Mangin D**, Lawrenson R, Sarfati D. Effect of multimorbidity on health care service utilisation and healthcare experiences. *Journal of Primary Health Care* 2018; 10(1), 44–53
- Stanley J, Millar E, Semper K, Davies C, Dowell A, **Mangin D**, Lawrenson R, Sarfati D. The impact of multimorbidity on people's lives: a cross-sectional survey. *The New Zealand Medical Journal* 2018; 131 (1477): 78-90.
- Sudore RL, Heyland DK, Lum HD, Rietjens JAC, Korff LJ, Ritchie CS, Hanson LC, Meier DE, Pantilat SZ, Lorenz K, **Howard M**, Green MJ, Fuez M, You JJ. Outcomes that define successful advance care planning: A Delphi Panel Consensus. *Journal of Pain and Symptom Management* 2018; 55(2):245-255.e8.
- Tadrous M, Gomes T, Mamdani M, **Paterson JM**, Stanbrook M, Lebovic G, Juurlink DJ, Khuu W, Martins D. Real-world healthcare utilization and effectiveness of omalizumab for the treatment of severe-asthma in Ontario, Canada. *Annals of Allergy Asthma and Immunology* 2017; 120(1):59-65.e2
- Tarride JE, **Dolovich L**, Blackhouse G, Guertin JR, Burke N, Manja V, Grinvalds A, Lim T, Healey JS, Sandhu RK. Screening for atrial fibrillation in Canadian pharmacies: an economic evaluation. *CMAJ Open* 2017;5(3):E653-E661
- Tarride JE, Quinn R, Blackhouse G, Sandu RK, Burke N, Gladstone DJ, Ivers NM, **Dolovich L**, Thornton A, Nakamya J, Ramasundarahettige C, Frydrych PA, Henein S, Ng K, Congdon V, Birtwhistle RV, Ward R, Healey JS. Is screening for atrial fibrillation in Canadian family practices cost-effective? *Canadian Journal of Cardiology* 2018; 34(11): 1522-1525
- Terry AL, Brown JB, Van Hoorn R, Stewart M, Ashcroft R, Beaulieu MD, Bhattacharyya O, Breton M, Burge F, Dahrouge S, **Dolovich L**, Donnelly C, Farrales L, Fortin M, Haggerty J, Kothari A, Loignon C, Marshall EG, Martin-Misener R, Ramsden VR, Regan S, Reid GJ, Ryan BL, Sampalli T, Thomas R, Valaitis R, Vingilis E, Wilson E, Wong S. Evolution and 15-Year Effect of a Pan-Canadian Training Program: Transdisciplinary Understanding and Training on Research – Primary Health Care. *Canadian Family Physician*. June 2018; 64 (6): 475-476
- Tricco AC, Thomas SM, Veroniki AA, Hamid JS, Cogo E, Striffler L, Khan PA, Robson R, Sibley KM, MacDonald H, **Riva JJ**, Thavorn K, Wilson C, Holroyd-Leduc J, Kerr GD, Feldman F, Majumdar SR, Jaglal SB, Hui W, Straus SE. Comparisons of Interventions for Preventing Falls in Older Adults: A Systematic Review and Meta-analysis. *JAMA*. 2017;318(17):1687–1699.
- Vanstone M**, Cernat A, Niskier J, Schwartz L. Women's perspectives on the ethical implications of non-invasive prenatal testing: A qualitative analysis to inform health policy decisions. *BMC Medical Ethics* 2018; 19(1):27
- Verweel L, Gionfriddo MR, MacCallum L, **Dolovich L**, Rosenberg-Yunger ZRS. Community pharmacists' perspectives of a decision aid for managing type 2 diabetes in Ontario. *Canadian Journal of Diabetes*. 2017;41(6):587-595.
- Walsh A**, Koppula S, Antao V, Bethune C, Cameron S, Cavett T, Clavet D, Dove M. Preparing teachers for competency-based medical education: Fundamental teaching activities. *Medical Teacher* 2018 40(1):80-85.
- Walsh A, Moore A**, Everson J, **De Caire K**. Gathering, strategizing, motivating and celebrating: the team huddle in a teaching general practice. *Education in Primary Care* 2018; 29(2):94-99
- Welsher A, Rojas D, Khan Z, VanderBeek L, Kapralos B, **Grierson LEM**. The application of observational practice and educational networking in simulation-based and distributed medical education contexts. *Simulation in Healthcare* 2018; 13(1):3-10

Young JT, Heffernan E, Borschmann R, Ogloff JRP, Spittal MJ, **Kouyoumdjian FG**, Preen DB, Butler A, Brophy L, Crilly J, Kinner SA. Dual diagnosis of mental illness and substance use disorder and injury in adults recently released from prison: a prospective cohort study. *Lancet Public Health* 2018; 3(5):e237-e248.

Zazulak J, Sanaee M, Frolic A, Knibb N, Tesluk E, Hughes E, **Grierson LEM**. The art of medicine: arts-based training in observation and mindfulness for fostering the empathic response in medical residents. *Medical Humanities*, 017 Sep;43 (3):192-19.

Book Chapters

Risdon C, Cooley L. Chapter 18: Implementation and Planning: Supporting Organizational Change. In *Communication Rx: Transforming Healthcare Through Relationship-Centered Communication* Edited by Calvin Chou and Laura Cooley. McGraw-Hill Education: 2017.

Grants

Agarwal G, Angeles R, Costa A, Howard M, Leyenaar M, Mangin D, Price D, Sinha S, Thabane L. Developing a Community Paramedicine @Home myCarePlan (myCP) app for frequent users of emergency services: Empowering clients in using appropriate healthcare resources. Canadian Institutes of Health Research, Personalized Health Catalyst Grants. \$199,494. September 2017 to August 2019.

Amster E (PI), Bracken K, Redwood-Campbell L, Zazulak J, McNiven P, Niec A, Kapiriri L, Wekerle C, Ettayebi M. The Morocco-Canada Network for Maternal and Infant Health: Determining Research Priorities and a Framework for Action. Canadian Institute for Health Research, Population Health Global Health Planning Grant. \$20,000. January 2018 to December 2018.

Amster EJ, Bracken K, Ettayebi M, Kapiriri L, McNiven P, Niec A, Redwood-Campbell L, Wekerle C, Zazulak J. The Morocco-Canada Network for Maternal and Infant Health: Determining Research Priorities and a Framework for Action. Canadian Institutes of Health Research: Planning and Dissemination Grant–Institute Community Support. \$20,000. January 2018 to December 2018.

Braken K. CFPC, Sadok Besrouh Grant for Global Health Projects. \$2,500. November 2017 to November 2017.

Burrows K (PI), **Vanstone M** Essential knowledge elements of Physician Assistant Practice: First Steps to a CME Curriculum for an Emerging Profession. Continuing Health Science Education Program Research and Innovation Fund. \$4,210.

Carter Ramirez A, **Kouyoumdjian F**. Maternal and perinatal outcomes in women who experience incarceration in Ontario, Canada: A retrospective cohort study. Regional Medical Associates of Hamilton Research Scholarship Fund. \$7,477. October 2017.

Caughey G, Clifford R, Etherton-Beer C, **Mangin D**, Naganathan V, Page A, Parkinson L, Redfern J. Team Approach to Polypharmacy Evaluation and Reduction for General Practice patients with dementia: the Australian TAPERdem study. Australian National Health and Medical Research Council, Boosting Dementia Research Grants. \$586,840 (AUD). January 2018 to December 2020.

Dolovich L, Waite N (PIs), **Mangin D**, Austin Z, Cadarette S, Cooke M, Farrell B, Houle SL, McCarthy L. Ontario Pharmacy Evidence Network: Building Quality, Sustainable Medication Management Services for Patients and the Healthcare System (OPEN: STIMULUS). Ontario Ministry of Health and Long-Term Care Health System Research Fund (HSRF). \$2,087,390.

Dormuth C (NPI), Mintzes B, Sketris I (Co-PIs), Bero L, Davis C, De Bruin ML, Kesselheim A, Lexchin J, **Mangin D**, Moore TJ, Puil L, Roughead E, Wiktorowicz M, Abraham J, Bahri P et al. What works best to protect public health? An international comparison of post-market regulatory risk communication on prescription drugs. CIHR, Project Grant. \$1,158,976.

Etherton-Beer C, Clifford R, Somers G, Geelhoed E, Parkinson L, Criddle D, **Mangin D** (Co-PIs), Page A. The Australian Team Approach to Polypharmacy Evaluation and Reduction (AusTAPER) study for older hospital inpatients. Government of Western Australia Department of Health – Research Translation Projects. \$200,000 (AUD). September 2017 to August 2019.

Farrell B, Conklin J, Raman-Wilms L, **Dolovich L**, Pottier L, McCarthy L, Bjerre L, Welch V, Grad R, Reeve E, Moriarty F. Building Capacity for Deprescribing Guideline Development, Implementation and Evaluation. Canadian Centre for Aging and Brain Health Innovation (CC-ABHI), Knowledge Mobilization Partnership Program. \$247,674. September 2017 to August 2018.

Green M (PI), Glazier R (Co-PI) Project Lead, Co-Investigators: **Dolovich L**, Dahrouge S, Valaitis R, Kothari A, Terry A, Liddy C, Zwarenstein M, Ivers N, Brown J, Hameed S, Glazier R, Green M. Sex and Gender Lead, Co-Investigator: Phillips S. Primary Health Care as the Foundation for Health Systems Performance, Integration and Sustainability: INSPIRE-PHC-2. Ontario SPOR Support Unit. \$2,087,547. Oct-17 to March 2021.

Howard M (PI), Bansback N, Dodek P, Heyland D, Kobewka D, Nijjar A, Tan A. Development and evaluation of an electronic toolkit to support preparation for decision-making regarding end-of-life health care: a prospective study. \$195,902. September 2017 to August 2019.

Kouyoumdjian FG, Rowe J, Khanna S, Leah J, Kiefer L, Kendall C, Antoniou T, Kirk M, Kroch A. OHTN Emerging Priority Award: HIV prevalence, access to care and treatment in people in provincial correctional facilities in Ontario. Ontario HIV Treatment Network. \$21,074.

Kuspinar A (PI), Verschoor C (PI), Letts L, Valaitis R, **Amster E**, Bassim C, Bowdish D, Dal Bello-Haas V, Dushoff J, Harris J, McAiney C, Neil-Sztramko S, Richardson J, Vrkljan B. A Comprehensive Framework for the Physical Mobility as an Essential Construct to Address in Both the Assessment and Treatment of Older Adults. McMaster Institute for Research on Aging Catalyst Grant. \$5,000.

Kwan MYW, Bray SR, Dunton G, Graham J, Rhodes R, **Cairney J**. Integrative Approaches in Understanding Physical Activity Change during the Transition into Emerging Adulthood: An Application of the Multi-Process Action Control Model. Social Sciences and Humanities Research Council, Insight Grant. \$248,065. 2018 to 2022.

- Lavis J (Co-PI), Abelson J (Co-PI), Guindon E, Hurley J, Moat E, Mulvale G, Sweetman A, **Vanstone M**, Wilson M. Harnessing evidence and values for health system improvement. Ontario Ministry of Health and Long-Term Care Health System Research Fund. \$2,087,999. 2017 to 2021.
- Lunsky Y, Durbin A, **Kouyoumdjian F**, Matheson F, Lin E, Stewart L, Sirotich F. Developmental disabilities in Ontario's criminal justice system: Using data to tell the story. Ontario Ministry of Community and Social Services Developmental Services Research Grant Fund. \$18,036. September 2017 to December 2018.
- MacCallum L, **Dolovich L**, Kellar J, Moore J, Straus S, Lewis G. Strategies to encourage pharmacist routine follow-up after initial medication review in people with diabetes in primary health care. Canadian Foundation for Pharmacy: Innovation Fund Grant. \$60,500. December 2017 to January 2019.
- Magin P (PI), Etherton-Ber C, McLachlan A, Naganathan V, Parkinson L, **Mangin D**, et al. AusTAPER Pilot: Team Approach to Polypharmacy Evaluation and Reduction (AusTAPER) pilot study for older General Practice patients. Royal Australian College of General Practitioners (RACGP) & HCF Research Foundation, RACGP Research Grant. \$54,100.
- Mangin D** (PI), **Agarwal G**, **Siu H**, Thabane L, Richardson J, Savelli M, Raina P, Lee J, Jurcic-Vrataric J, Cassels A, Garrison S, Holbrook A, Sherifali D, **Risdon C**, Gillett J, Colwill K, Ho J, Varughese J, Trimble J, Griffith L, Frizzle K, McComarck J. Team Approach to Polypharmacy Reduction in Long-Term Care (TAPER-LTC). RCT feasibility study: integrating families' experiences. Canadian Frailty Network. \$100,000. April 2018 to August 2019.
- Oberlander T, Puil L, Monk T, Mintzes B, (Co-PIs), Vedam S, **Mangin D**, Van Esterik P. Domperidone for breastfeeding: what does the evidence tell us? Michael Smith Foundation for Health Research. \$10,000. September 2017 to August 2018.
- Papaioannou A (PI), Adachi R, **Dolovich L**, Hewston P, Ioannidis G, Kennedy C, Lee J, **Mangin D**, Marr S, Negm A, O'Reilly D, Rockwood K, Thabane L, Theou O, Valaitis R. Frailty Rehabilitation: A community-based intervention to promote healthy aging. Canadian Institutes of Health Research, Project Grant. \$696,152. April 2018 to March 2022.
- Reeve J (PI), Mahtani K, Lasserson D, Krska J, Byng R, Fahey T, Wallace E, Ranson E, Wong G, Mitchell E, Walley T, **Mangin D**, Roberts N. Optimising a whole-person-centred approach to stopping medicines in older people with multimorbidity and polypharmacy: the Tailor Medication Synthesis. National Institute for Health Research (NIHR), UK, HTA. £322,858 (GBP). June 2018 to February 2020.
- Richardson J, Letts L, Donnelly C, Wojkowski S, Chan D, Sanford S, Durocher E, Miller J, **Vanstone M**, Smith J, Gravesande J. Rehabilitation as a health strategy for persons with chronic conditions and associated issues of aging: A web based application. AGE-WELL-MIRA Catalyst Program. \$50,000. May 2018 to April 2019.
- Rudoler D, Allin S, Grudniewicz A, Martin E, **Dolovich L**, Glazier D, Laporte A, Marchildon G, Strumpf E. Primary care reform and medication appropriateness for seniors. A comparative study of two provinces. Canadian Institutes of Health Research, Project Grant. \$501,075. April 2018 to March 2018.
- Sufian S (PI); Expert Consultants: Garden R, Case G, Halpern J, Metzl J, **Amster E**; Faculty: Gramelspacher AM, Sandahl C, Vazquez-Melendez E, Laethem EJ, Michel J, Kirschner K, Hirshfield L, Gambino M, Blackie M, Murphy T; Curricular Advisor: Hyderi A; Assessment and Evaluation Guide: Park YS. Human Story of Illness: Health Humanities Portraits for Physicians in Training. NEH Humanities Initiatives for Hispanic-Serving Institutions. \$100,000. January 2018 to December 2019.
- Principal Investigators: Abou-Setta A, Clement F, Colquhoun H, Curran J, Godfrey C, Isaranuwachai W, LeBlanc A, Li L, Moffitt P, Moher D, Straus S; Co-Investigators: Armson H, Aston M, Barnabe CCM, Baxter N, Bornstein S, Brouwers M, Cepanec D, Cheng D, Coyle D, Demczuk L, Desroches S, **Dolovich L**, Etowa J, Farrell B, Ferrari M, Fiest KM, Florez I, Gagliardi A, Gagnon MP, Gaudine A, Giguere A, Goodarzi Z, Goodridge D, Graham I, Hall A, Hamid J, Hemmelgarn B, Horsley T, Ivers N, Iyer S, Jull J, Keeping-Burke L, Klassen T, Lal S, Legare F, Luctkar-Flude M, MacArthur C, MacDonald M, MacKinnon K, Manns B, Martin J, McGowan J, McCabe C, Mitton C, Morin S, Murphy A, O'Brien MA, Ouimet M, Paulden M, Polard S, Porr C, Rieger K, Rochon P, Ross-White A, Rotter T, Scott S, Sears K, Shah J, Sibley K, Small S, Snelgrove-Clarke E, Stelfox HT, Squires J, Stranges S, Szatmari P, Temple B, Thavorn K, Tonelli M, Vandyk A, Veroniki AA, Walker J, Wilson R, Woo K, Woodgate R, Young N, Zomahoun H; Co-Knowledge Users: Abbott J, Alikhan M, Barker K, Beben N, Clifford T, Courey L, Critchley K, Gall-Casey C, Hayes A, Holmes B, Krupka F, McMurtry S, Mitchell C, Moore J, Proctor A, Robertson I, Robinson B, Rodin R, Roy D, Sonier-Ferguson B, Teare G, Thombs B; Collaborators: Baidooobonso S, Barrett B, Basran J, Ben Charif A, Bhattacharyya O, Blaine C, Blondal E, Brunnhuber K, Clarke M, Cook JL, Dhalla I, Donnan JR, Dowling L, Downey M, Elliott M, Glasziou P, Goldsmith C, Grunfeld E, Gulmezoglu AM, Harvey J, Ho J, Hoens A, Hwee J, Irlbacher-Fox S, Jordan Z, Klarenbach S, Klinger C, Koehn C, Lachance C, Langlois E, Leese J, Lindeman C, Loeb M, MacDonald G, Majnemer A, Mantla L, **Marshall D**, McKinnon A, Medves J, Menear M, Mittman BS, Mrklas K, Murphy T, Nice-Sanon P, Noseworthy T, Outschoorn A, Oxland P, Page M, Paus-Jenssen E, Paynter M, Pham B, Proteau JF, Rabeneck L, Rockliff D, Soobiah C, Stewart L, Striffler L, Valentine P, Watt J, Whiteside C, Wilhelm L, Winkelman I, Woo J, Young LE, Yu C. SPOR REACH Network CIHR. \$4,997,000. July 2017 to June 2022.

Urquhart R, Tschupruk C, Pfaff K, Stajduhar K, Warner G, (Co-PIs), Purdon M, Roberts D, Sattler D, **Dolovich L**, Garland Baird L, **Howard M**, Johnston G, Lawson B, Malloy-Weir L, **Marshall D**, McMurphy S, Ricketts J. An Inter-provincial comparison of innovative programs that help individuals and families affected by life-limiting chronic illnesses navigate end-of-life. Canadian Institutes of Health Research, Operating Grant: SPOR PIHCl Network - Comparative Program and Policy Analysis Grant. \$124,539. June 2018 to May 2020.



Awards

National

Allyn Walsh	Association of Faculties of Medicine of Canada, Award for Outstanding Contribution to Faculty Development in Canada
Puneet Seth	Canadian Society of Hospital Medicine, 2017 Award for Outstanding Service in Hospital Medicine
Sarah Tulk	Dalhousie Department of Psychiatry Annual Student Writing Competition

Ontario College of Family Physicians

Mike Lee Poy	Ontario Family Physician of the Year
Brian Klar	Regional Family Physician of the Year
Heather Dixon	Award of Excellence

Provincial

Lynda Redwood-Campbell	OMA Presidential Award
Naheed Dosani	2017 Ve'ahavta Humanitarian Award.

Internal

Jorin Lukings	UG Family Medicine Awards - PreClerkship Preceptor Award
Todd Greenspoon	UG Family Medicine Awards - James Morris (Clerkship Preceptor) Award
Doug Oliver	UG Family Medicine Awards - Clerkship Tutor Award
John Hadley	Postgraduate Medical Education Award: Faculty Mentor
Tim Cuddy	Excellence in Teaching Award
Nick Minos	Excellence in Teaching Award
Will Caron	Ted Evans Scholarship Fund
Lawrence Grierson	Jacqui Wakefield
Elysa Savaria Leili Pede	Gerry Cohen Award
Daniel Carter Ramirez	Ben Finkelstein Award

Resident Leadership and Research Awards

Lita Cameron	Overall FM Leadership
Simone Banh	FM Leadership – Brampton
Natalie Binette	FM Leadership – Grand Erie Six Nations
Lita Cameron	FM Leadership – McMaster Family Practice
Skylar Neblett	FM Leadership – Community-based Residency Training
Sara Colozza	FM Leadership – Stonechurch Family Health Centre
Daniel Kahn	FM Leadership – Kitchener-Waterloo
Greg Rushton Romesa Khalid	FM Leadership – Niagara
Aimee Kernick	FM Leadership – Rural
Jared Paty	Research Day Best Overall Poster
Skylar Neblett	Research Day Best Overall Project

