



Winter 2020 Activities

As EnACT supports multiple projects in various ways, we are reporting on activities that take a dedicated amount of time and people for research coordination, data management, etc. Please contact us if you would like further information about EnACT. tkbarber@ualberta.ca

New:

- The EnACT team is working remotely to continue our support of primary care research during the COVID-19 outbreak
- Congratulations to Drs. Terrence McDonald and Lee Green for winning **1st place Reviewers' Choice Award** for their oral presentation “A cluster analysis exploring the relationship between daily patient volume, provider panel size, service day provision and patient health outcomes in Alberta general practitioner practices” at the Family Medicine Summit in Banff.
- Listen to Dr. Terrence McDonald speak about the link between Time Modifier Codes and Patient Outcomes – a very timely topic! CBC Calgary Eye Opener, Feb 25th 2020. <https://www.cbc.ca/listen/live-radio/1-5-calgary-eyeopener/clip/15762497-doctors-pay>
- Dr. Green & Kylie Kidd Wagner won **3rd place Reviewers' Choice Award** for their oral presentation “Understanding Mental Models: Improving specialty and primary Care Integration” at Family Medicine Summit in Banff. Well done!

Project Activities:

Alberta North Zone Endoscopy Quality Study – Led by Dr. Kolber; 16 endoscopists in 6 rural hospitals in the Alberta North Zone recording their colonoscopy quality data for quality improvement.

- This project will wrap up on March 31, 2020 with 2 years of data from 6208 colonoscopies. The aim is to complete analysis for publication by the end of 2020.

BedMed Initiative – A pragmatic trial led by Dr. Scott Garrison, University of Alberta switching from morning to bedtime prescribing of antihypertensive medication and the impact of this change if implemented across Alberta

- Screened 3773 patients; 2566 of which have been randomized
- Study is active in AB, BC, MB, and SK.
- Due to research directives from all institutions regarding COVID19, BedMed has paused all new recruitment
- Starting multiple sub-study analyses due to pause in recruitment

Cirrhosis Care Alberta (CCAB): an evidence-based cirrhosis admission/discharge bundle - This project evaluating the effectiveness, patient and provider acceptability and cost-utility of a cirrhosis admission/discharge care bundle led by Dr. Puneeta Tandon (UAlberta), will include a Cognitive Task Analysis (CTA) sub-study led by EnACT to gain insight into primary care and specialty care’s understanding of advanced liver disease and the co-management of patients.

- All 19 interviews have been completed (9 Specialists, 8 Family physicians, 2 Nurse Practitioners)
- Final Analysis is taking place in March



CPCSSN - Canadian Primary Care Sentinel Surveillance Network - A primary care research initiative—it is the first pan-Canadian multi-disease electronic medical record surveillance system. EnACT supports both the NAPCReN and SAPCReN arms of CPCSSN in Alberta via our Data Manager

- Recruitment is on hold as CPCSSN negotiates with EMR vendors.
- The DPT project funded by PHAC for a dementia dashboard has been extended for 6 months.

Development, Implementation and Evaluation of an Innovative Integrated Supportive Care Pathway by Primary Care across Alberta – Led by Dr. Sara Davison (UAlberta) and building on her Conservative Kidney Management Pathway work, this project looks to co-design and co-implement an Integrated Supportive Care Pathway that will be part of one mechanism for primary care and specialty joint care of Chronic Diseases. EnACT is providing specific training on Diffusion of Innovations theory and a variant of CTA to Practice Facilitators in order to identify & understand early majority teams and how best to support them as they implement the pathway.

- World Cafes have taken place and discussions with PCNs has begun
- Interested PCNs and practices should reach out to Kirby Scott:
Kirby.Scott@albertahealthservices.ca

Family Physician Patient Volume – A biphasic study led by Dr. Terrence McDonald (UCalgary/UAlberta) in collaboration with ARES AHS and using AH administration data to explore the demographics of high-volume physicians in AB and to examine the relationship between the volume of patients seen by physicians in Alberta and patient health outcomes

- We presented at the ACFP Family Medicine Summit and won *1st Place Reviewers' Choice Award* for our presentation “A cluster analysis exploring the relationship between daily patient volume, provider panel size, service day provision and patient health outcomes in Alberta general practitioner practices”
- Dr. McDonald spoke with CBC Calgary Eye Opener about the link between Time Modifier Codes and Patient Outcomes on Feb 25th 2020: <https://www.cbc.ca/listen/live-radio/1-5-calgary-eyeopener/clip/15762497-doctors-pay>
- We are partnering with IC/ES (Dr. Rick Glazier) on Alberta-Ontario General Practitioner Supply and Practice Patterns, we plan to describe physician supply across the two provinces based on our own novel service day method of calculating General Practitioner supply based on service day
- We are submitting to the Fall CIHR Project Grant – *General Practitioner Patterns of Practice, Health Service Utilization and Patient Health Outcomes*

INRange – A pragmatic trial led by Dr. Scott Garrison (UAlberta) to study the effectiveness of taking WAFARIN at breakfast rather than at dinner

- Nothing new to report

KOASK - A project led by Dr. Deborah Marshall (UCalgary) in collaboration with PaCER and EnACT to co-develop (with patients and physicians) a self-management and risk calculator tool for knee osteoarthritis

- We have submitted our second manuscript to JMIR mHealth & uHealth and are waiting to hear a response

MinMed – A pragmatic trial led by Dr. Scott Garrison (UAlberta) to study medication minimization in the frail and elderly

- Advanced in the Alberta Innovates PRIHS V competition but was not successful, will reapply in 2021



Nurse Practitioners in Alberta – A 3-part study led by Dr. Tammy O'Rourke (UAlberta) on the role of Nurse Practitioners in Canada's three Western provinces

- Awarded \$27,468 from MSI "Boosting PCN Performance: Understanding and enhancing utilization of nurses in Alberta's primary care system"
- Awarded \$70,000 from CFHI "Advancing Frailty Care in the Community"
<https://www.cfhi-fcass.ca/WhatWeDo/advancing-frailty-care-in-the-community>
- Awarded \$18,000 to conducting a case study examination of LPN work in rural primary health care settings with funding from RhPAP, this project is underway
- We are launching the NP survey in PEI adding to the data from AB, SK, MB. This project is on hold pending COVID19.

Using Cognitive Task Analysis (CTA) in Primary Care – projects led by EnACT

- We presented our findings on the Integration pilot study looking at family physician and specialist mental models of the referral process at ACFP Family Medicine Summit and won 3rd Place Reviewers' Choice Award. We also added an addendum to our final report based on findings from our cirrhosis CTA sub-study. It is available on our website:
<https://primarycareresearch.ca/>
- We continue our collaborating with 2 PCNs to test training Practice Facilitators in a variant of CTA to help support and move the patient's medical home forward. We presented our findings on this pilot testing at ACFP Family Medicine Summit.
- We plan to work with more PCNs in training Practice Facilitators in a variant of CTA to help support and move the patient's medical home forward as well as to help implement the Integrated Supportive Care Pathway

Upcoming Projects:

Understanding and Intervening to Reduce Antibiotic Prescribing in Primary Health Care: A cognitive task analysis and participatory intervention - A project led by Dr. Myles Leslie (UCalgary) to explore the factors shaping anti-biotic prescription decisions in community-based adult primary care as well as which evidence-based interventions to reduce anti-biotic prescribing, adapted to local contexts, are preferred by adult primary care prescribers. how we can implement effective performance indicators. This project will also look at how the uptake of these adapted interventions shape the pursuit of existing QI and policy priorities.

- Stay tuned!