



## Fall to December 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](mailto:tkbarber@ualberta.ca)

### New:

- Dr. Green presented “Improving Change Management by Training Practice Facilitators in Diffusion of Innovation and Cognitive Task Analysis” at the North American Primary Care Research Group Virtual Conference in November
- Multiple publications released in relation to the work we support:
  - Leslie M, Khayatzadeh-Mahani A, Birdsell J, Forest PG, Henderson R, Gray RP, Schraeder K, Seidel J, Zwicker J, Green LA. An implementation history of primary health care transformation: Alberta’s primary care networks and the people, time and culture of change. *BMC Fam Pract.* 2020 Dec 5;21(1):258. <https://bmcfampract.biomedcentral.com/articles/10.1186/s12875-020-01330-7>
  - McDonald T, Lethebe BC, Green LA. Calculating physician supply using a service day method and the income percentiles method: a descriptive analysis. *CMAJ Open.* 2020 Nov 24;8(4):E747-E753. <http://cmajopen.ca/content/8/4/E747.full>
  - Zazove P, Plegue MA, McKee MM, DeJonckheere M, Kileny PR, Schleicher LS, Green LA, Sen A, Rapai ME, Mulhem E. Effective Hearing Loss Screening in Primary Care: The Early Auditory Referral-Primary Care Study. *Annals of Family Medicine* 2020 Nov; 18(6):520-527. <https://www.annfammed.org/content/18/6/520>

### Project Activities:

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

- Screened 3,929 patients; 2,694 of which have been randomized
- Study is active in AB, BC, SK, MB, and ON
- Despite significant delays due to COVID19, we continue to recruit and enroll in all provinces

*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. 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.

- Final results are on our website! [https://www.primarycareresearch.ca/cirrhosis\\_full.pdf](https://www.primarycareresearch.ca/cirrhosis_full.pdf)
- We have started a new study to dig deeper into symptom management in cirrhosis care



*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

- CPCSSN has reached formal agreements with our largest vendors to provide future data
- The DPT project will be wrapping up on March 31, but the DPT itself will remain online and in use at CPCSSN

*Development, Implementation and Evaluation of an Innovative Integrated Supportive Care Pathway by Primary Care across Alberta* – Led by Dr. 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 Café data analysed; reports and manuscripts are being drafted
- CTA Training continues with PCNs

*Family Physician Patient Volume* – A biphasic study led by Dr. 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

- Successful submission to the Fall CIHR Project Grant – *General Practitioner Patterns of Practice, Health Service Utilization and Patient Health Outcomes*
- Working with members of ARES at AHS exploring factors that might impact the level of patient/provider continuity and quality health outcomes
- Working with team at IC\ES calculating primary care physicians supply across AB & ON; manuscript planned & expected for 2021

*Frailty Index-EMR* – A demonstration project aiming to develop and automate a frailty index that will support frailty identification of older adults in primary care by using available patient data in primary care electronic medical records. Led by Drs. Khera and Abbasi.

- Research Coordinator, Bernadette Chevalier, PhD, has been working with stakeholders to ensure agreements & processes are in place to facilitate the transfer/sharing of EMR data
- Starting Jan 2021, EMR data will be drawn from participating primary care clinics to be coded and de-identified prior to implementing the natural language processing and machine learning that will use the EMR data to start building a frailty index

## Upcoming Projects:

*Understanding Mental Models of Clinical Pathways for Cancer Diagnosis* – A CTA study to understand how family physicians think about and approach using Clinical Pathways when they care for patients with cancer. This CTA study is led by EnACT (Dr.Green) and will be conducted in collaboration with the Cancer SCN.

*EnACT wishes everyone a happy  
and healthy holiday season!*

