


Risk Prediction to support shared decision-making for managing heart disease

Project Snapshot


Heart disease is common in people with chronic kidney disease (CKD), and is a major cause of hospitalization and death. However, people with CKD are less likely to receive tests and treatments for their heart disease than those without CKD. Identifying & meeting the information needs of patients and care providers is important to support patient-oriented approaches to care, especially when complex decisions must be made that require weighing of risks versus benefits. The process will begin with content development by the research team, alongside the initial prototype design by the web development company.

WHAT'S HAPPENING IN PHASE II




The second phase of the study measures patient treatment preferences and values through a discrete choice experiment; as well as development and validation of a prediction tool that provides individualized information about the risks of kidney and heart disease outcomes under different treatment approaches for heart disease.

- ✓ Completed the discrete choice experiment survey in Alberta.
- ✓ Prepared to commence recruitment in BC in March; but due to Covid-19 we have the BC survey on hold and will commence when safe to do so.
- ✓ Our PhD student is in the midst of internally and externally validating our tool model using data from Alberta and BC.



Our team evaluated, reviewed and chose a vendor for the next step of the project completion. We are presently working through the approval process with the University of Calgary.



Six clinician and ten patient interviews were completed in March/April to review the mock-up of the Patient Decision Aid. We have been collaborating with Ottawa working on developing a Patient Decision Aid based on the Ottawa e-tool template. As a result of Covid-19, we moved from focus groups to individual patient interviews for staff and patient safety.



The early feedback will be incorporated to improve the decision aid before we move to digitalizing it.

Project Work Stream

Phase I –Complete 

Phase II -In Progress

Development and validation of risk prediction models for important clinical outcomes identified by patients and care providers. Explore attributes of treatment decision making that are important to patients and the value they place on them.

Phase III –Planning Stage

Incorporation of risk information and strategies to identify patient preferences within a decision-aid. This will be followed by testing of the decision-aid with patients and care providers.





To learn more: cansolvecd.ca/research/earlier-diagnosis/risk-prediction-to-support-shared-decision-making-for-managing-heart-disease/

Questions? Email Pantea.javaheri@ucalgary.ca