

Dissemination and KT Support: Centre for Evidence-Based Implementation (CEBI)

1. BACKGROUND

- The **Centre for Evidence-Based Implementation (CEBI)** was established by HHS in 2016 to advance healthcare through research and education in a manner that aligns with HHS' mission.
- CEBI's **goal** is to improve patient care by optimizing the use of clinical and implementation science research to address evidence-practice gaps in HHS hospitals and the surrounding community.
- Core **funding** for CEBI is provided by HHS, supplemented by contributions from research and implementation grants.
- The CEBI Program is directed by Dr. JD Schwalm and includes a Program Manager and Project Coordinators with expertise in health research methods and knowledge translation (KT).
- CEBI's core activities:

Projects

- Lead or assist with implementation activities for HHS research, implementation and quality improvement projects

Consultation

- Provide advice regarding project planning and implementation activities

Training

- Provide formal learning opportunities to increase the capacity of the HHS community to lead the application of evidence to solve quality challenges

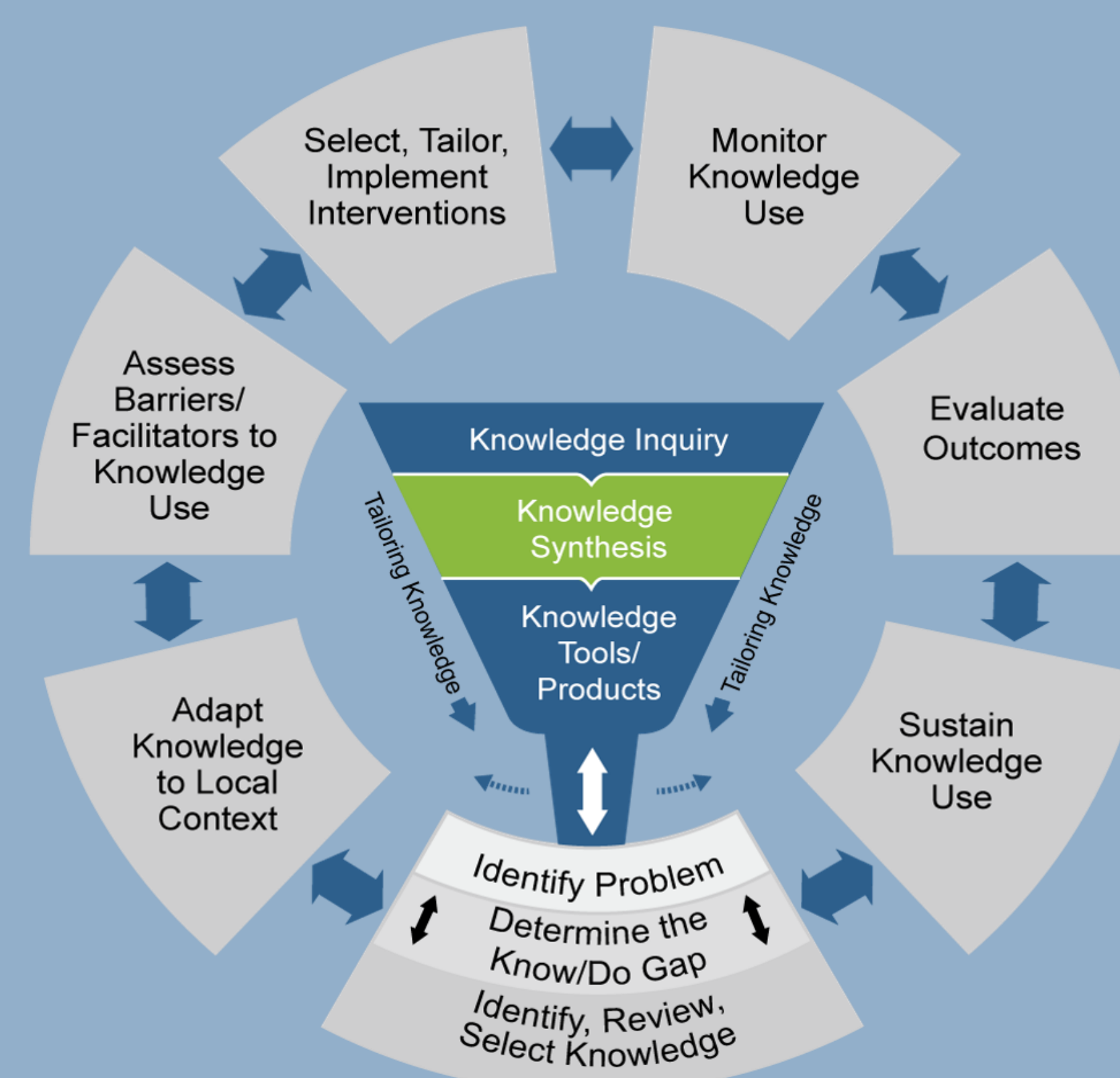
- CEBI leads and assists with implementation activities including project planning, barrier and facilitator assessment (e.g., surveys, focus groups), selection and design of implementation interventions, evaluation of implementation outcomes, and sustainability planning.

2. PHRI Dissemination and KT Support

- PHRI is partnering with CEBI to offer consultation and support related to dissemination and implementation activities for prioritized PHRI research studies.
- Completion of the PHRI Dissemination and KT Support Application form will allow PHRI and CEBI leadership to determine if your research is suitable for this initiative.

3. METHODOLOGY

Figure 2. Knowledge to Action Cycle*.



- CEBI uses the **Knowledge to Action Cycle** (Graham et al.) as the overall framework to guide its work.

* Graham ID, et al. J Contin Educ Health Prof 2006;26(1):13-24.

4. PROJECTS

Table 1. Examples of CEBI projects.

	Virtual Care Evaluation	Pediatric Intensive Care Unit Rehabilitation Care Bundle	Cardiac Research Study
Description	Survey evaluation of virtual care at HHS from the perspective of health care providers, patients, and caregivers during the COVID pandemic	Implementation of an evidence-based care bundle (Liber8) to reduce the incidence of pediatric intensive care unit (PICU)-acquired complications	Initiative to reduce rates of normal coronary angiograms (to reduce costs and improve patient safety) using centralized triage and optimal non-invasive cardiac imaging
Scope	Multiple clinical programs/divisions	One PICU	Regional health network
CEBI Role	Lead evaluation (e.g., survey development, administration, and analysis) and provide recommendations to the HHS Virtual Care Operations Team	Lead barrier and facilitator assessment to identify opportunities for improvements to the intervention and its implementation	Lead evaluation of physician, patient, and staff perceptions and satisfaction with the intervention process and outcomes to inform sustainability and scaling
Impact	Evaluation results and recommendations led to quality improvement initiatives at the program/division level and informed strategic direction at the organizational level	Recommendations based on barrier and facilitator assessment informed modifications to operationalization of the Liber8 bundle and implementation activities	Evaluation results are informing development of a centralized triage process at the regional level