Experiences in conducting embedded research in real-world, learning health systems: Challenge Case Template

Due January 21, 2022; Submit to lhs_ig@kpchr.org

We aim to understand how health services research is being used in real world, healthcare settings to solve problems. If you are doing this work, we want to hear from you.

The Learning Health System (LHS) Interest Group is sponsoring a Challenge Contest. The LHS IG will host an interactive session to discuss these challenge cases during the 2022 AcademyHealth Annual Research Meeting (June 4-7 in Washington, DC). This workshop aims to address and share learning about challenges experienced by healthcare organizations and their embedded researchers. Discussion of real-world problems in dynamic settings is anticipated to lead to a rich experience for workshop participants.

What is LHS research?

We are aware that many researchers are not sure what LHS research entails and how it relates to their own research portfolio. Simply put, LHS research is embedded research that aims to address questions and challenges in quality, safety, and affordability that are encountered in clinical practice by learning from the data generated as part of care delivery operations.

Challenge Cases

Submission Guidelines: Submissions should reflect your own challenge(s) encountered. A submission template is provided below and should be limited to 4 pages (12 pt font, double spaced) and sent to lhs_ig@kpchr.org no later than 5pm PST on January 21, 2022.

Ten illustrative and generalizable challenge cases will be selected via peer review and presented at the ARM LHS IG session; selected cases will also be published in The LHS Journal; and selected authors will receive $1,000 stipend that can be applied to: ARM registration, AcademyHealth Annual membership, and travel to the ARM.

Please note that authors of selected cases must agree to attend the ARM and be a member of AcademyHealth to present.

_____

Author and other contributors: _____

Title of the submission: _____

Email:_____ **Phone number:**_____

Organizational Affiliation:_____

Aims: *Identify the specific issues and/or questions that your research is aimed at addressing.*
1.
2.
3.

Current Status**:** *Complete, Still in progress, etc.*

Key Milestones*: Start date, timing/expected reporting requirements, (planned) end date*

Problem Identification & Need for Research:

- <u>Research Need</u>**:** *Who identified the need for the research?*

- <u>Engagement</u>: *Which key stakeholders were involved in describing the problem?*

- <u>Evidence Base</u>: *What evidence was used to support definition of the problem? List primary citation(s).*

- <u>Expected Challenge(s)</u>: *Describe any challenge(s) anticipated in advance, whether or not they were encountered.*

Embedded Research Experience:

- <u>Settings:</u> *Describe where your research is taking place (e.g., inpatient, outpatient, hospital, specific service line or disease,) and the scale of the study (e.g., a single unit, clinic, hospital, health system, multi-institutional).*

- <u>Research Involvement:</u> *How and at what point was research involved in this phase of the project (e.g., evaluators involved to insure baseline data)?*

- <u>Leadership Support</u>*: Was there a senior leader sponsor for this work?*

- <u>Research Team</u>*: Who was included on the research team?*

- <u>Key Stakeholders</u>*: In addition to the stakeholder involved in describing the problem, what other key stakeholders needed to be involved in the work and how were they engaged?*

- **Design/Methods Used in Research Study** (check all that apply):
  __Secondary data analysis
  __Predictive analytic tool/machine learning application
  __Prospective observational study
  __Retrospective observational study
  __Trial (RCT, pragmatic, etc.)
  __Implementation of a complex intervention
  __Program evaluation
  __Mixed methods
  __Qualitative methods
  __Other, please specify:_____

- <u>Preliminary/Final Results</u>: *describe the key findings you have observed or expect to observe in the study and whether or not feedback is being provided key stakeholders*

- <u>Experienced Challenge(s)</u>: *describe the challenge(s) you faced in conducting this research*

- <u>Strategy(ies) Used to Address Challenge(s)</u>: describe strategies used to address the encountered challenge(s). Also include a description of current or ongoing challenges that can be workshopped during the session.

- <u>Estimated impact</u>: describe measured or anticipated impact of this work, provide details.

Funder: *Provide a 3-4 sentence background on the origins of the financial support for the activity. Are the resources internal to the health system or external? If the latter, who is the funder, what is the name of the specific grant, and what is the duration of the funding?*

Questions? Send an e-mail with your question to lhs_ig@kpchr.org