

Ten Step Academic-Industry Digital Health Collaboration Methodology:
A Case-Based Guide for Digital Health Research Teams with the Example of Cardio-Oncology

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<https://www.cardioonccoin.org/chirpcompendium>

One Page Study Proposal Document Guide

1) Describe the research program and overarching goals in one to two sentences

2) Name the company and describe the company digital health offerings

3) Outline research questions (see examples)

- Technology adoption: how easily can the technology be adopted in patient populations? What is the level of user satisfaction with the technology and software?
- Effects of adherence on short term clinical outcomes: what are the impacts of technology adherence on improved clinical outcomes related to health? Can patterns of use and perspectives on technology influence these clinical outcomes?
- Data usability: how useful are the data collected by the technology to patients and physicians for improved medical literacy, diagnosis, and treatment?

4) State study objectives (see examples)

- For deidentified pre-existing users of the company, assess the adoption of and satisfaction with the technology/software and analyze user interaction with the technology/software.
- Investigate short-term clinical outcomes for deidentified pre-existing users.

5) Outline specific research questions to answer through study and what specific company data will be used to answer each question (over the course of several meetings)

- Adoption
- Reviews/feedback
- Relation with clinical outcomes

6) Describe plan to achieve these objectives, including statistical analysis and number of users/ patients