A Generalizable Smartphone-Based Clinical Research Platform

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I have no relevant relationships with commercial interests to disclose.
Learning Objectives

After participating in this session the learner should be better able to:

• Understand how the mobile app platform can help fill gaps in existing clinical data sets
• Understand how the mobile app platform allows broader, more efficient use of existing smartphone-based clinical research frameworks
Background

ACA mandate: “build data capacity for comparative clinical effectiveness research”

- “collect, link, and analyze data on outcomes and effectiveness from multiple sources”
- 4% of PCORTF funds ($140m from 2010-2019) originally designated

Competitive interagency selection process administered by HHS ASPE

FDA My Studies App proposal from Dr. David Martin was awarded $2,000,000 in FY2015

Intent was to develop a system that could be used by PCORnet or Sentinel but broader use is now possible
Placeholder for a live demo.

This demo will be created solely by Zac on a test version of the app using a fake topic and fake data. It will not present the pregnancy pilot study or results.
Engagement

Figure 1 - Number of Questionnaires Submitted
Engagement

Figure 2 - Number of Questionnaires Submitted by Time of Day
Using the Platform

- Download open source code and implement in house
- Utilize HPHCI as your coordinating center
- Hire BTC and Labkey or other dev directly
What’s Next?

- Press release by FDA
- Re-launching under revamped branding in early 2019
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Questions?
Thank you!

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