

OTRC

OKLAHOMA TOBACCO RESEARCH CENTER

Mobile Health (mHealth) Shared Resource

Funded in part by the Oklahoma Tobacco Research Center, the Mobile Health (mHealth) Shared Resource at the Stephenson Cancer Center offers resources that empower researchers to build, test, and launch technology based assessment and intervention tools.

THIS SHARED RESOURCE WORKS WITH RESEARCHERS TO:

- Create innovative mobile applications
- Help to identify and intervene upon environmental, cognitive, affective, physiological, and behavioral antecedents of health risk factors linked to cancer
- Develop applications using state-of-the-art cross-platform design tools

GOALS:

- Provide strategic leadership for innovation in the development of advanced mobile applications for research studies
- Build and support applications that enable researchers to conduct cancer prevention and intervention studies
- Promote and facilitate joint partnerships to support effective delivery of resources and services

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OUR SERVICES INCLUDE:

Support Clinical Trials & Micro-Randomized Trials

UX/UI Design for Web & Mobile Applications

Smartphone & Tablet Application Design & Development
(e.g., Android, Apple, Microsoft)

Web Based Content Management System (CMS) to
Manage Research Studies & Enroll Study Participants

Create Various Types of Ecological Momentary
Assessments (EMAs): Random, Daily, Participant
Initiated, Geo-Fence Initiated, Sensor Initiated

Ecological Momentary Intervention (EMI) Development
Including Automated Decision Rules & Skip Logic

Capture & Utilize Data from Smartwatches/Fitness
Trackers (e.g., Android, Apple, Fitbit, Microsoft) and
Other Devices (e.g., Glucose Monitors, Smart Scales)

Machine Learning Models & Analysis

GPS Tracking & Analysis

Geo-Fencing & Analysis

Governance & Risk Assessment Support

Application Maintenance & Support

Application & Device Training

Stephenson CANCER CENTER
 TSET