

Mobile HealthLink, LLC

STRATEGIC VISION

Our goal is to enable health care providers to have access to up-to-date health data of their patients using a low-cost platform with state of the art data analytics to identify changes in health as quickly as possible. We also seek to provide patients, irrespective of the digital divide, with an intuitive device that supports the survey process as well as a variety of other telehealth interventions.

STAGE OF THE DEVELOPMENT PROCESS

We are conducting a large-scale pilot test within our potential markets (PACE, Home Care, and community dwelling seniors) to examine feasibility and usability of available technology and collect pilot data. Data gathered from this pilot will be used to refine and increase the predictive accuracy of the algorithm. We are purchasing and distributing mobile phones with our survey software to people across four states.

TELEHEALTH APPROACH

Hardware: We are issuing Android phones, which provide a platform for surveys and includes other tools like an accelerometer, camera, GPS, and SIM card enabling additional telemedicine value in the form of fall detection, medication reminders, biometric monitoring, and tools to reduce elopement risk.

Software: We are using an application that has been used for university research level health surveys as well as free health care related apps on the Android phone.

Technology: We are using multiple peer-reviewed surveys covering medical, functional, psychological, and care giver health. We have also identified and assembled basic structures for "Bayesian network"- based algorithms to predict adverse health algorithms

FINANCING

In addition to funding from our NSF I-Corps grant, \$7K which will be leveraged for domestic travel and product installation and support at \$3K and \$4K, respectively, our funding request is as follows:

<i>Proposed Budget: Items Requested</i>	Amount
Technical assistance: <i>software and hardware technical services</i>	\$ 2,000
Materials and Supplies	
• 50x Smart devices with Internet for average of four months	\$ 3,000
• Proprietary health monitoring web service for 6 months	\$ 5,000
Total	\$ 10,000