MH Application Interoperability Environmental Scan

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Mobile Healthcare Data Interoperability – Project Need

- Expansive wave of healthcare devices are coming to consumer market.
- Consumer healthcare devices used to capture and exchange medical data and events.
- Lack of common data standards for data exchange to support mobile application development.
- The project will identify the current state of device APIs.
Strategy

- The project will conduct an environmental literature survey of current APIs and standards
- Identify current state of healthcare device APIs.
- Identify current APIs for exchanging data with EHR and PHR systems.
- Project will leverage university students as an educational engagement opportunity.
Current State Mobile Health APIs

- Glucose Meter
- Ultrasound Device
- EKG Monitor
- Insulin Pump
- Many Device Interface APIs

Many Mobile Platforms

- Mobile Application
- Mobile Application
- Mobile Application

Proprietary EHR/PHR APIs

- EHR
- PHR

Transport Layer
Smart Device
Electronic Survey Components

- Identify Products and Services (Offerings)
- Pertinent Capabilities
- Organization or Vendor Requirements
Recent Surveys

- Google Fit
- Apple Healthkit
- Smart on FHIR
Resources...

- Mobile Health Alliance
  www.mhealthalliance.org/

- Continua Health Alliance
  http://www.continuaalliance.org/about-continua

- PWC white paper – Touching lives through mobile health

- Programmable Web
  http://www.programmableweb.com/
MH Application Interoperability Environmental Scan - Update

- Meeting weekly Tuesday 4:30 – 5:30 pm EST.
- Created Survey Template
- Assessing Survey through trial assessment.
- Working with students to evaluate environmental survey template.
Mobile Health Friday Calls

**Dates:** Every Friday

**Time:** 11:00 AM Eastern U.S.

- Mobile Health Wiki page
  
THANK YOU!

- Questions?