Mobile Health Application Interoperability Review (FHIRframe – Phase 0)

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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.
- Look at FHIR Argonaut Project as core set of resources for data interoperability.
- Project will leverage university students as a 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

Transport Layer
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/
Mobile Health Friday Calls

**Dates:** Every Friday

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

- Mobile Health Wiki page
  
THANK YOU!

- Questions?