

Healthcare Services Platform: Goals and Vision



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The Ultimate Value Proposition



- Interoperable sharing of:
 - Data
 - Information
 - Applications
 - Decision logic
 - Reports
 - Knowledge

Vision



- Short Version: Create a new marketplace for plug-n-play interoperable healthcare applications
- Long Version: Enable the acceleration of application development through an open, standards based, services oriented architecture platform and business framework that supports a new marketplace for interoperable healthcare applications
- Why?
 - **To improve the quality and decrease the cost of health care.**

Essential Functions of the Consortium



- **Select the standards for interoperable services**
 - Standards for models, terminology, security, authorization, context sharing, transport protocols, etc.
 - Modeling: SNOMED, LOINC, RxNorm – FHIR Profiles – do it together
 - Publish the models, and development instructions openly, licensed free-for-use
- **Provide testing, conformance evaluation, and certification of software**
 - Gold Standard Reference Architecture and its Implementation
 - We will work with an established company to provide this service
 - Fees that off set the cost of certification will be charged to those who certify their software
- **Commitment from vendors to support the standard services against their database and infrastructure**
 - Everyone does not have to do every service
 - There must be a core set of services that establish useful applications

Other Functions of the Consortium



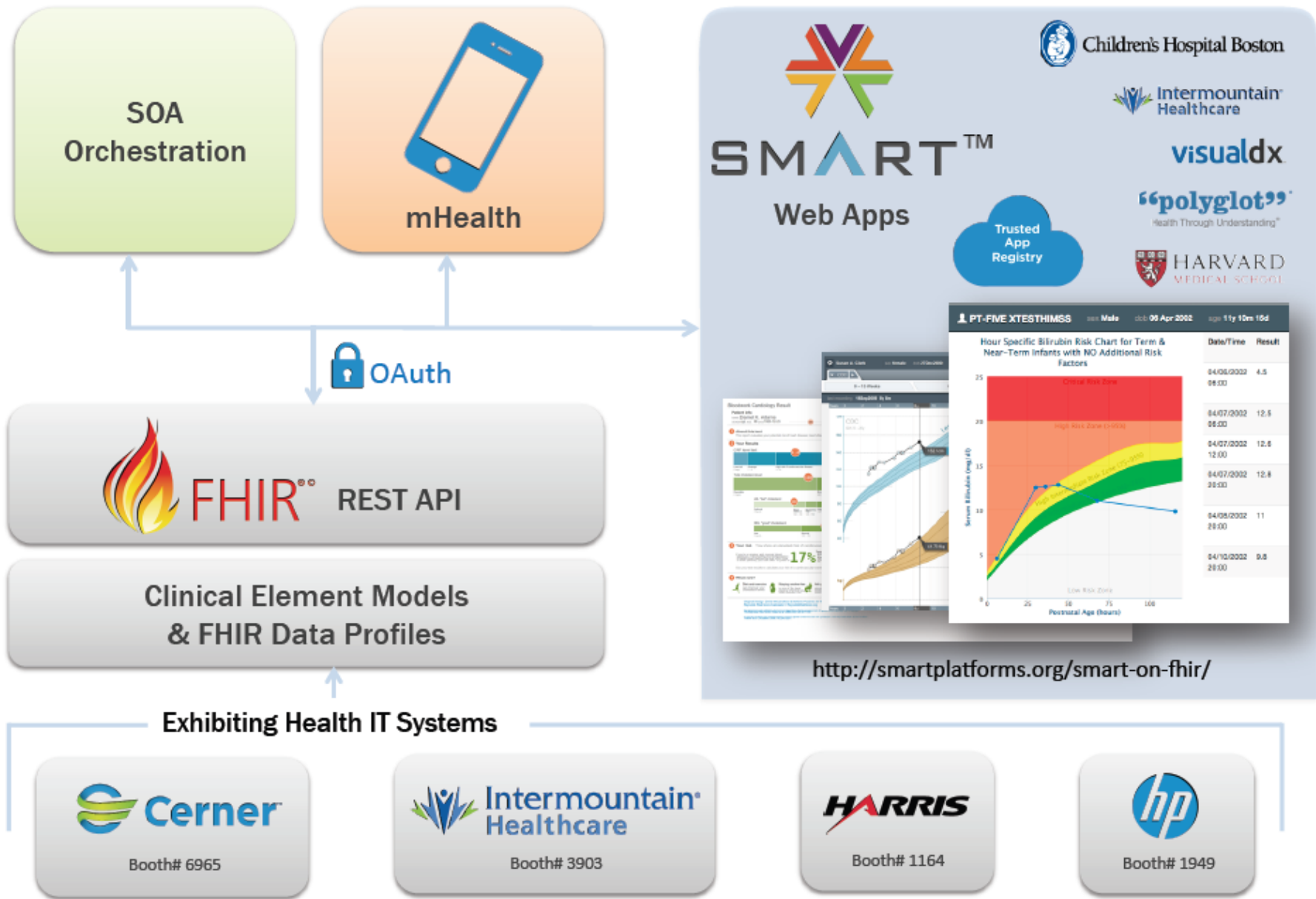
- Participation in “other” functions is optional for a given member
 - Enable development “sandboxes”
 - ✦ Could be provided by companies or universities
 - ✦ Could be open source or for-profit
 - Set up an actual “App Store”
 - ✦ Many companies already have their own app stores
 - ✦ Vendor certification that a given application can be safely used in their system
 - Create a business framework to support collaborative development
 - ✦ Pre-agree on IP, ownership, co-investment, allocation of revenue
 - ✦ Try to avoid unique contracts for each development project
 - Provide a way for people to invest (Venture capital)

Principles



- Not-for-profit entity
 - There could be an associated for-profit entity
- Simple majority of providers on the Board of Directors
- All organizations will have equal influence and opportunity
 - Intermountain and Harris will not be “special”
- Start small, be effective, and then grow
 - We want to allow everyone that is interested to participate
- Allow diverse strategies and participants
 - Open source and for-profit
 - One person business up to multi-national corporations
 - Healthcare providers and healthcare software developers
 - Students and professional software engineers
- Initially, focus on the minimum set of standards and technology
 - Increase options as we gain experience and success
- HSPC is ***not*** producing software
 - HSPC members or groups of members produce software
- No “central planning” by HSPC of app development
 - Participants decide what they want to build and invest their own resources
 - We ***DO*** need to agree about the minimum set of services that will enable a marketplace

SMART on FHIR[®] – Open Platform Architecture



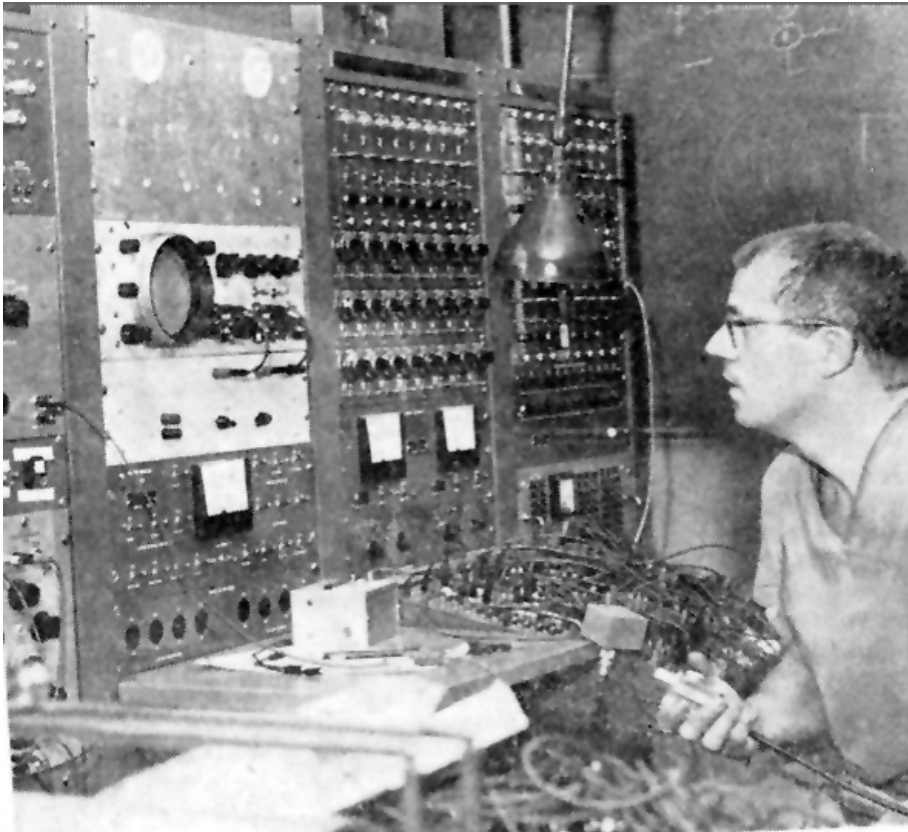
Questions and Discussion



Why is Intermountain interested in the Consortium?



Homer Warner and HELP



Intermountain can only provide the highest quality, lowest cost health care with the use of advanced clinical decision support systems integrated into frontline clinical workflow

Decision Support Modules

- Antibiotic Assistant
- Ventilator weaning
- ARDS protocols
- Nosocomial infection monitoring
- MRSA monitoring and control
- Prevention of Deep Venous Thrombosis
- Infectious disease reporting to public health
- Diabetic care
- Pre-op antibiotics
- ICU glucose protocols
- Ventilator disconnect
- Infusion pump errors
- Lab alerts
- Blood ordering
- Order sets
- Patient worksheets
- Post MI discharge meds

Strategic Goal



- Be able to share data, applications, reports, alerts, protocols, and decision support modules with anyone
- Goal is “plug-n-play” interoperability