Mobile Health (MH) – Integrated Innovation

- Engagement
- Security
- Privacy
- Trust
- Fitness
- EHRs
- Healthcare
- Medications
- Wearables

- Safety
- Patient Needs
- Efficiency
- Care Providers

Innovation
Guidelines
Best Practices
Mobile Health Work Group
Co-Chairs

HL7 Mobile Health Working Group (Confluence)

Mobile Health Co-chairs
- Gora Datta  gora@cal2cal.com
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- Nathan Botts  nathanbotts@westat.com
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Mobile Health WGM Sessions

- Wednesday Q1 – Introduction & Overview
- Wednesday Q2 – cMHAFF – Deep Dive
- Wednesday Q3 – mLabel Brainstorming Session

- Thursday Q1 – cMHAFF Working Session
- Thursday Q2 – cMHAFF Working Session
Mobile Health - Projects

- Consumer Mobile Healthcare Application Functional Framework (cMHAFF)
  - mLabel – Consumer Labeling for Mobile Health Applications
- School Healthcare Information Framework utilizing Technology (SHIFT)
Meetings / Questions

- Mobile Health Fridays – Weekly Meeting
  - Every Friday at 11 am EST

- cMHAFF Project – Weekly Meeting
  - Every Thursday at 3 pm EST

- SHIFT Project – Weekly Meeting (New)
  - TBD
HL7 Mobile Health Resources

- **Mobile Health Working Group:**
  https://confluence.hl7.org/display/MH/Mobile+Health

- **Mobile Health Meetings:**
  https://confluence.hl7.org/display/MH/Mobile+Health+Meetings

- **Mobile Health Projects:**
  https://confluence.hl7.org/display/MH/Mobile+Health+Projects

- **HL7 Consumer Mobile Heath Application Web Guide:**
  https://cmhaff.healtheservice.com/
State of Mobile Health

May 2019 Mobile Health WGM

Matthew Graham
Mayo Clinic
Mobile Health Trends

- mHealth is the use of mobile communications technology to provide healthcare services, whether for tracking patient data, enhancing patient education, or providing diagnostic treatment.
- mHealth is paving the way for better doctor-patient communication, better data management, improved patient monitoring.
mHealth Market is expanding and changing Healthcare Industry

- Reuters published findings of an Orbis Research study predicting an expansion of the mHealth applications market. In 2017 mHealth captured $23 billion in revenues, with an estimated growth rate of 35% annually over the next several years.

- Goldman Sachs says the digital revolution could save healthcare providers $300 billion
How can mHealth be used to improve your health

- Track personal health data
  - Emergency Contact Information
  - Allergies and medications

- Real-time communication with your care team
  - Improved secure communications
  - Telehealth apps let doctors analyze physical symptoms remotely

- Improve quality of life for doctors – and their patients
  - Physicians in rural areas can use telehealth apps instead of driving into the hospital
Mobile Health Statistics

- 8% of smartphone users between the ages of 30 to 49 have medical app downloads.
- 40% of doctors trust that these mobile tools can lessen the number of on-site clinical visits.
- More than 25% of American physicians are using at least one mHealth app.
- 93% of doctors say mobile apps can enhance the quality of patient health.
Mobile Health Statistics

- There are more than 97,000 health and fitness applications available for download to mobile or tablet devices.
- 52% of smartphone users collect health-associated information on their devices.
- 15% of 18 to 29-year olds have health apps already installed on their cell phones.

Reference:
Mobile Health Application Development

- Mobile Application Development will leverage frameworks
  - EHR Vendors provide integration frameworks
  - Frameworks are implemented on standards to provide portability
  - Smart on FHIR enable independent development across EHR vendors
- Healthcare provider can tailor these frameworks to provider consist look and feel across their application suite/store.
MyCHOP Mobile App

Using MyCHOP for iPhone®

1. Step 1: Download the MyChart application from the App Store (search for "Epic MyChart").
2. Step 2: Click on the MyChart application.
3. Step 3: Accept the Apple License Agreement.
4. Step 4: Scroll down and select CHOP MyCHOP from the available healthcare provider list.

With MyCHOP, you can:
- View test results faster
- Request an appointment or referral
- Get answers to nonurgent medical questions
- Access immunization records
- Complete questionnaires

mychop.chop.edu

Using MyCHOP for Android™

1. Step 1: Download the MyChart application from the Android Market (search for "Epic MyChart").
2. Step 2: Click on the MyChart application.
3. Step 3: Accept the Android License Agreement.
4. Step 4: Scroll down and select CHOP MyCHOP from the available healthcare provider list.

With MyCHOP, you can:
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Patient Call Ahead App
TeleDerm Workflow
Application Architecture
Questions: