Mobile Health (MH) Working Group – Projects Update

HL7 May 2019 WGM
By Matthew Graham (Mayo Clinic)

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Mobile Health Work Group
Co-Chairs

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MH Sessions

- Wednesday Q1 – Introduction & Overview
  - State of Mobile Health
- 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)
Consumer Mobile Healthcare Application Functional Framework (cMHAFF)

Mobile Health
May 2019
HL7 Montreal Canada WGM

cMHAFF Project (HL7 Confluence)
cMHAFF Scope and Goals

- Provide a framework for assessment of the **common foundations** of mobile health apps
  - Product Information (disclosures/transparency)
  - Security
  - Privacy / consent / authorization
  - Risk assessment/analysis
  - Data access privileges
  - Data exchange / sharing
  - Usability & Accessibility

- Assessment could include attestation, endorsement, testing, voluntary or regulatory-driven certification

- Out of scope: specific clinical content or functionality
Why cMHAFF? What’s the Need?

- Target Audience: mobile health app developers needing guidance on building apps
- Beneficiaries: consumers, providers, caregivers
- Consumers need protection, transparency and assurance regarding mobile apps. Some examples:
  - What does the app do? What evidence supports it?
  - What security protections exist behind that “cloud”?
  - Who can the app share data with?
  - What does the app know about me (location, microphone, camera, contacts, etc.), and what can it do on my device?
  - Can I access my app data like I can under HIPAA?
Project Updates

- Review of initial Pilot Project Implementations
- mLabel Brainstorming
- Normative Ballot May 2020
CMHAFF Pilots

- Children’s Health Fund
- Universitair Medisch Centrum Groningen
- Children's Hospital of Philadelphia (CHOP)
- CMHAFF Health App Certifier
Sample of U.S. Policies & Guidelines Assessed

- Health Insurance Portability and Accountability Act
- FDA Playbook on Medical Device Cybersecurity
- NIST Special Publication: 1800-1
- FTC Cross-Device Tracking Considerations
- FTC Guidance for mHealth Developers
CMHAFF Web Guide!

Check out our first draft of the CMHAFF web guide and pilot site at: https://cmhaff.healtheservice.com
Sample of European Guidelines Assessed

- French mHealth Good Practice Guidelines
- German Mobile Health Assessment Criteria
- Andalusian App Recommendations
- U.K. PAS277 Quality Criteria
- Finland PHR Cert Criteria
- Other EU initiatives
School Healthcare Information Framework utilizing Technology (SHIFT)

- New Mobile Health Project White Paper /PSS
- Birds of a Feather Session – Tuesday 5:15 PM - Salon 8
- SHIFT Project (HL7 Confluence)
The scope of the SHIFT Project is to create a Framework that addresses the needs of various stakeholders who are involved in the health and well-being of students to facilitate learning and activities in the school environment. The White Paper envisions the set of healthcare standards that will support the Framework.
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
  - TBD