Mobile Health Working Group

September 2022 Mobile Health WGM Project Updates
Mobile Health September WGM Sessions

Tuesday
Q1 - EHR hosting MH - Mobile Health Projects Update (Meeting Room Maryland Ballroom C)

Wednesday (Meeting Room Watertable C)
Q1 – Celebrating 10th Birthday of HL7 Mobile Health WG and State of Mobile Health Address
Q2 – Mobile Health Application Data Exchange Update and Consumer Mobile Health App Functional Framework Update / mLabel discussion
Q3 – Unique Mobile Health App Identifier and Physical Activity Project Updates
Q4 – RCC-MH: Remote Connected Care Mobile Health and mFHAST: Mobile Framework for Healthcare Adoption of Short-Message Technologies

Thursday (Meeting Room Watertable C)
Q1, Q2, Q3 – SHIFT: School Health Innovation Framework leveraging Technology workshop
Concurrent Q2 – Joint Devices and MH (Meeting Room Watertable B)
Q4 – Emerging Tech (Blockchain, AI/ML AR/VR etc) enabled Mobile Health solutions and Update from Children's Hospital of Philadelphia (CHoP)

Global Workforce Development: Diversity, Equity & Inclusion / "PHIT" workforce
Mobile Health Work Group
Co-Chairs

HL7 Mobile Health Working Group (Confluence)

Mobile Health Co-chairs
- Gora Datta  gora@cal2cal.com
- Matt Graham  graham.matthew@mayo.edu
- Nathan Botts  nathanbotts@westat.com
- Frank Ploeg  r.f.ploeg@umcg.nl
Mobile Health - Projects

- **Consumer Mobile Healthcare Application Functional Framework (cMHAFF)**
  - Provide a framework for assessment of the **common foundations** of mobile health apps

- **School Healthcare Information Framework utilizing Technology (SHIFT)**
  - Purpose; Improve the health of school students via enhancements to school health–based technology and services.

- **Mobile Health App Data Exchange (MH-ADE)**
  - Preparing to publish ballot content and FHIR Profiles

- **Unique Mobile Health Application Identifier (UMHAI)**
  - New Project - PSS Finalize and reviewed by TSC and is out for Work Group review.
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
- Includes functions, requirements, and IG specifications
cMHAFF meetings are Thursdays at 2pm Eastern
- Project Leads: Nathan Botts, Frank Ploeg, Matthew Graham, Gora Datta

**Join us** to publish and start using cMHAFF!

**Zoom Meeting Link:**
- [https://zoom.us/j/3997687729?pwd=djZidXFpNW1nRDZVZhqcHI0Q2hKUT09](https://zoom.us/j/3997687729?pwd=djZidXFpNW1nRDZVZhqcHI0Q2hKUT09)
School Healthcare Information Framework utilizing Technology (SHIFT)

- **Project Lead:** John Ritter  [JohnRitter1@Verizon.net](mailto:JohnRitter1@Verizon.net)
  - School Board member and (named) Advocate
  - Pennsylvania School Board Association (named) Liaison
  - Western PA HIMSS Board Member (Advocacy Chair)
  - HIMSS Chapter Advocacy Roundtable (Past Vice-Chair)
  - HL7 EHR WG co-chair; PHR WG co-facilitator
  - School Health Advancement leader

- **Facilitators:** Gora Datta and Matthew Graham
  - Mobile Health Work Group leader
  - School Health Advancement leader
The SHIFT Project focuses on the student’s health and safety of pre-school, primary, and secondary school-aged students.

SHIFT's scope includes school health, safety, and wellness; technology; workforce training; governance; communications; liability; legislation; and regulations. Stakeholder perspectives include school activities, social determinants of health, social services, transportation, immunization management, physical health, behavioral health, and public health surveillance and reporting.
SHIFT – Recent Action Items

- Small-team, met in weekly during 2020:
  - Brainstorm the SHIFT White Paper’s ingredients
  - Brainstorm the PSS-Lite
  - Receive progress reports and garner support for incomplete tasks

- Small-team meetings in 2021Q4 through 2022Q3:
  - Created an Executive Summary of the White Paper
The SHIFT White Paper targets the perspectives and interactions among 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 also envisions and accommodates approaches by which health information technology and advanced healthcare services can be improved. Any concern / factor that may have an impact on student health and safety is within scope; anything else is out of scope.
Mobile Health App Data Exchange (MH-ADE)

- On hold pending resource availability
- Preparing to publish ballot content and FHIR Profiles
Unique Mobile Health App Identifier (UMHAI)

- New Mobile Project PSS-1867 ready for review September 2021
- Project Leads: Gora Datta / Matthew Graham
- Project Scope PSS-1867 reviewed by TSC and Mobile Health WG
- Project Confluence page:
Unique Mobile Health Application Identifier (UMHAI)

- Project Lead: Gora Datta
- Contributors:
  - Simona Carini
  - Peter Gunter
  - Matthew Graham
  - Scott Robertson
This project will develop an Unique Mobile Health Application Identifier (UMHAI) which uniquely identifies a mobile health application instance as installed on a mobile device and used by a specific person. The UMHAI enables identification of application instance to provide precision therapy and facilitate recall, maintenance, transparency and traceability.

The project will consider data elements which may be used to create, or incorporated in, a UMHAI. Potential data elements may include Application name, App Builder, version, build number, hosting device, and unique identifier(s) for the person.

This effort will be aligned with existing work in HL7 standards (e.g., CDA, FHIR, V2) on UDI.
Recent Updates

- **Use Case Development**
  - Consumer use of Mobile Health Apps for Health and Wellness
  - Multiple Medical Device Interoperability
  - Single Medical Device Interoperability
  - Prescription of Mobile Health Apps for Care Management
  - Digital Therapeutics
  - Patient Safety and Data Privacy

- **Core Requirements**
Project Meetings / Questions

- Mobile Health Fridays – Weekly Meeting
  - Every Friday at 11 am EST
- Unique Mobile Health Application Identifier
  - Every other Thursday at 1 pm EST
- cMHAFF Project – Weekly Meeting
  - Every Thursday at 2 pm EST
- SHIFT Project – Adhoc TBD