IEEE P1752.2 CardioRespiratory Measures Subgroup

Minutes of conference call held on March 23, 2023

Conference call started at 17:00 UTC (9:00 AM Pacific Time) on IEEE Webex
Attendance: 7 Attendees

Kevin	Clark	Biomedicine domain champion, NSF
M. Sabarimalai	Manikandan	Indian Institute of Technology Bhubaneswar
Paul	Petronelli	PALM Associates
Josh	Schilling	Vibrent Health
Paul	Steiner	Dartmouth College
Ida	Sim	UCSF
Michael	Tsai	Kura Care

Agenda**:**

- Attendance and introductions
- Continuation of the discussion on structure specifics for the cardiorespiratory schema implementation
- Other business:
    - Collaborations
    - Next meeting time

Today's discussion centered on the structure to be implemented for the cardiorespiratory schema, which was a continuation of the discussion during the previous meeting on February 23, 2023. This was considered with context provided by the schema design principles described at the Open mHealth web site, with particular attention given to consideration of the principal of atomicity and to the principal of balancing parsimony and complexity (the 80-20 rule). Of note, however, is that the 80-20 rule varies significantly among types of stakeholders – fitness & performance, wellness & the quantified self, and broad clinical use cases; in part, this can be addressed through the development of a schema structure that would be suited to future extensibility within cardiorespiratory domain, particularly in promotion of the possibility of further increasing the clinical relevance of the standard. Extensibility represents a challenging design consideration, but also it may be seen as important to the relevance of semantic interoperability across the broadest range of usage paradigms.

During this meeting, focus was given to a proposed schema structure that focused in particular on cardiac pulse/rhythm, with blood pressure and respiratory considered in only a limited manner during this meeting. An standing invitation was made for other schema structure proposals, along with a request for any volunteers to take the lead on the structure (and encoding) to the respiratory component of the schema.

Action Items:

- Open for alternative cardiorespiratory schema structures, or consideration for distinct respiratory schema structure
- Initial production of .json file candidates of the basic schema elements
- Schema development timeline discussion

———

Next meeting: April 27, 2023 at 16:00 UTC (9:00 AM Pacific Daylight Time)
Minutes taken by Paul Steiner (Dartmouth)