IEEE P1752 Sleep Subgroup Meeting

Minutes of conference call held Nov 06, 2018, 8:30AM Pacific standard time

Conference call started at 8:34 AM Pacific Standard Time on join.me

Slide deck presented by subgroup Chair Charlotte Chen (available on iMeet)

Attendees:

Charlotte Chen (Philips)

Ray Krasinski (Philips)

Simona Carini (UCSF)

David Chen (AlayaTec)

Josh Schilling (Vibrent Health)

Koichiro Matsumoto (Nihon Kohden Corp)

Anna T

Agenda

1. Updated Deliverables
2. Schema Development Prep
3. Develop a Schema
4. Action Items
5. Q&A
6. Other business
7. Adjourn

1. Update Deliverables

* First schema under development: Quantitative Measurement Schema
* Next: group will need to work on Qualitative Measure Schema

2. Schema Development Prep

* Overview of schema development
* There has already been some work done by the Open mHealth project on qualitative schemas. It would make sense to adapt this existing framework (not published yet) for the needs of this group
* Review and discuss the updated list (WG Metadata discussion and Schema example development). Updated list uploaded today by Charlotte to iMeet and “color coded.”
* May want to separate the characteristics of the person from the sleep-specific characteristics since person characteristics (e.g. specific health condition) do not change with measurements. A person schema might be developed to capture the characteristics of a person
* Location or setting information will be reported by the person using the device
* Use case ID is for our own reference
* Type of measures should be included in data point
* How to determine if a schema should be defined for a sleep attribute or a set of sleep attributes? Is meaningfulness enough? Who are the stakeholders?
  + Data end users: Mobile device users, clinicians, researchers
  + What are the expectation for a data sender (device)? Encode 1752 data
  + What are the expectations for a data receiver (Healthcare IT system, device)? Decode 1752 data
  + Data must be meaningful for the end user
* What criteria leads to a sleep data point being a schema (and not just an element within a larger schema)?
* Real-time vs. non-real-time data items. Some data can be collected and have relevance real time and may also have relevance as part of a larger non-real time item such as a sleep episode.
* As aggregated SOL will be an important measure along with type of sleep (e.g. major, nap) for a clinician and a user, it seems to have a reason to have a schema for it
* An instance of SOL (without knowing type of sleep, only with the effective timeframe) might be useful to a device user, it seems to have a reason to have a schema. Should we create two different schemas?

3. Develop a Schema

* Review by Simona

5. Other Business

* none

Action Items

* Continue drafting quantitative schemas done by Nov 19
* Prepare for subjective schema development Nov 19
* Review quantitative schema completed by Dec 3
* Propose the quantitative schemas with use cases after Dec 3

Next Call:

Entire 1752 call scheduled for Dec 4

Expect additional task group call(s) before Dec 4

Minutes taken by subgroup secretary Ray Krasinski

Conference Call adjourned 9:38AM, PST