IEEE P1752 Sleep Subgroup Meeting
Minutes of conference call held Oct 09, 2018, 8:30AM Pacific daylight time

Conference call started at 8:32 AM Pacific Daylight Time on Zoom

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)
Katarzyna Wac (University of Geneva & UCPH)
Banu Rekha(PSG College of Technology, India)
Paul Harris
Antoni
Antek

Agenda

1. Attendance
2. Use Case Development Summary
3. Schema Development Preparation
4. Action Items
5. Q&A
6. Adjourn

1. Introduction by Chair

2. Use Case Development Summary

- Deliverables still the same
  - Macrostructure
  - Microstructure
  - Subjective Sleep experience
  - Other sleep related phenomena
- We are delayed a bit due to summer breaks
- Review existing open mHealth work and propose modifications as needed and possible new schemas. Group has a "list of mapping" excel sheet (updated version is available on iMeet). Discussion on how to determine whether a schema should be defined for a sleep attribute or a set of sleep attributes. Must be useful for a clinician and a user.
- Discussion on time stamps (time interval and time point), including both data acquisition and report time.
- Plan is to work on 1 (or possibly 2) schemas initially
- The schemas are defined for mobile health applications

- Sleep onset latency is a single data element in the schema, but the trend for this data element over time may be of interest as well. Should we use the average for this element or everyday instance? The devices are most likely to record and report daily and it's also possible for a device to calculate and report its average. Therefore, we should support both.
- Patient reported outcomes would be a valuable data item to capture as well although a few of the attributes in the use cases work sheet are not currently included.
- Action: Katarzyna Wac will share the revised Pittsburgh Sleep Quality Index and other relevant information with the team.
- Action: Simona volunteers to capture an initial schema for sleep onset latency
- Total sleep time example schema is presented by Charlotte for discussion.
- It is important to indicate the required elements in the schema. All of the associated data does not need to be reported if it is optional but required data must be present in order for the data to perceive to be valid.

3. Schema Development Preparation

- No clear preference by the group on how to proceed
- May be good to get clear agreement on what the schemas should look like, then decide how to proceed. Make 1 -2 schemas to start and then decide how to proceed further
- Proposal: Subjective Sleep Experience exploration to proceed in parallel with the development of 1-2 initial schemas. The group agrees to proceed as proposed.

4. Action Items:

- Katarzyna Wac will share the revised Pittsburgh Sleep Quality Index and other relevant information with the team
- Simona volunteers to capture an initial schema for sleep onset latency
- Review/Discuss/Modify the updated list of mapping by Oct. 12, 2018;
- Draft schemas (at least the quantitative measures) done by Nov. 5, 2018;
- Review schemas completed by Nov. 19, 2018;

5. Other Business

- none

Next Call:
Tuesday Nov 6 at 8:30AM Pacific Daylight Time is next planned group call

Minutes taken by subgroup secretary Ray Krasinski
Conference Call adjourned 9:31AM, PDT