

IEEE P1752.2 CardioRespiratory Measures Subgroup

Minutes of conference call held on July 28, 2022

Conference call started at 15:00 UTC (8:00 AM Pacific Time) on IEEE Webex

Attendance: 6 Attendees

Carole	Carey	IEEE EMB
Simona	Carini	UCSF / OmH
Kevin	Clark	Biomedicine domain champion, NSF
Paul	Petronelli	PALM Associates
Josh	Schilling	Vibrent Health
Paul	Steiner	Dartmouth College

Agenda:

- Attendance
- Review of prior minutes (June meeting), to be posted pending approval
- Discussion about use cases
- Other business:
 - Collaborations / stakeholder engagement
 - Next monthly meeting

Today's meeting became a discussion about building use cases, along with associated considerations about how representative use cases are used to guide selection of particular cardiorespiratory data measures for inclusion in the IEEE P1752 standard for mobile health. The selection of specific data measures is intended to facilitate data modelling helpful to the *representative* use cases being explored explicitly, but those measures also are intended to be relevant for use more broadly.

Today we did not get to the planned presentation on "fitness / performance / athleticism", with the planned focus on heart rate recovery, but that instead will be moved to our subsequent meeting. There was continued discussion on atrial fibrillation as a relevant healthcare use case, consideration of which was introduced as an example during the June meeting. Some algorithm use variation in sets of RR intervals to infer AF.

We discussed the work to be done to enhance the stakeholder engagement and promote additional collaboration in support of building useful cardiorespiratory data schemas. In the past couple months, there has been some engagement with other groups (such as American Heart Association and the Heart Rhythm Society) to inform them about the mission of this subgroup and to invite participation. There also is a plan to approach additional potential industry and interest group stakeholders attending a digital health conference that has a cardiorespiratory focus (HRX, San Diego, September 2022).

Action Items:

- Preparation of use case presentation addressing "fitness / performance / athleticism": Focus on heart rate recovery as a use case
- Additional use case proposal fitting the Health Care paradigm.

Next meeting: August 25, 2022 at 15:00 UTC (8:00 AM Pacific Time)
Minutes taken by Paul Steiner (Dartmouth)