IEEE P1752.2 Metabolic measure Subgroup
Minutes of conference call held on April 5, 2022, at 8 am Pacific Time
Conference call started at 8:00 am Pacific Time on zoom

Slide deck presented by Chair Dr. Ida Sim (available on subgroup's website)
https://sagroups.ieee.org/1752/wp-content/uploads/sites/277/2022/04/2022-04-05-1752-metabolic-slides.pdf

Attendance: 8 attendees

First Name	Last Name	Affiliation
Simona	Carini	UCSF / Open mHealth
Carole	Carey	IEEE
Juan	Espinoza	Children's Hospital Los Angeles
Vishnu	Ravi	Stanford
Sakshi	Sardar	Critical Path Institute
Josh	Schilling	Vibrent Health
Ida	Sim	UCSF / Open mHealth
Nicole	Xu	Diabetes Technology

Agenda:
  1. Attendance
  2. Review of action items
  3. Review of tasks
  4. Other business

Adjunctive: needs calibration to a gold standard of finger stick.
Calibration should happen twice a day, enter the value for whatever BGM they're using.
(Dexcom calibration data model: system time, display time, value read, unit of measure)
Only DexCom 6 and Abbott Libre 3 are non-adjunctive (was a big deal, recently approved) – in 3-5 years, probably will all be non-adjunctive (no calibration needed)
Can pull the calibration data out of the meter (note: find out more)
Number of scans. The sensor should be scanned at least every 8 hours.
Scanned data displayed in numerical values, continuously stored data as graph.

Gestational DM, T2D have different thresholds: no overall consensus yet
Usually don't personalize for individual patients

Medtronic is building an API
Redox (they manage Abbott, Glooko backend, used to manage Dexcom API) and Glooko, and DreaMedAI have APIs. Tidepool does not.

Oxford has pulled together some of the less standard measures (Glycemic Risk Index, J-index, MAGE) https://www.phc.ox.ac.uk/research/resources/easygv

MARD is device-specific; MAGE, MODD not calculated [clarify]

Older Libre is intermittently manually scanned, which uploads data (buffer is about 14 days, or every 8 hours, may lose data), newer Libre 3 is real-time (actively streamed through BlueTooth). Medtronic and Dexcom were already real-time. Intermittently viewed goes to a physical screen? Most of the sensors are 7 to 14 days in duration.

Code for viewing 95250 (set up CGM) and 95251 (review 72 hours of data per month). Intermittent BG using the regular RPM code.
Clinical usage should only be if worn >70% time

For all CGM metrics, observation range is critical: this is handled by the effective-time-frame data element of all schemas
Proposal for generic temporal relationship to event requires further discussion
Proposal to amend value set for header schema element *modality*: user reported, device generated

Next call: Tuesday, May ~~10~~ 17 at 8 am Pacific time
Minutes taken by WG Secretary Simona Carini, UCSF