

IEEE P1752.2 Metabolic measure Subgroup
Minutes of conference call held on October 26, 2021, 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/277/2021/11/2021-10-26-1752-metabolic-slides.pdf>

Attendance: 8 attendees

First Name	Last Name	Affiliation
Simona	Carini	UCSF / Open mHealth
Carole	Carey	IEEE
Swati	Chakraborty	Accenture
Namita	Lokare	Valencell
Koichiro	Matsumoto	Nihon Kohden Corp.
Vishnu	Ravi	Stanford Byers Center for Biodesign
Josh	Schilling	Vibrent Health
Ida	Sim	UCSF / Open mHealth

Agenda:

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

Discussion on 2 of the use cases

- type 1 diabetes: CGM [not assigned]
- type 2 diabetes on oral treatment: BGM
- type 2 diabetes on insulin: CGM
- prediabetes/Quantified self/biohacker: CGM for response to food intake

1) type 2 diabetes on oral treatment (or non-insulin, injectable treatment): BGM

Measured 2-4 times daily while adjusting treatment

Oral medications that cause hypoglycemia more often; if hypoglycemic symptoms → test sulphanyl urea (should also test if driving for a long time or operating heavy machinery)

Education of patients: food and exercise

OMH blood glucose schema includes data elements: relationship to **food and sleep**

Possibly add **exercise and medication**

Presence/absence of hypoglycemic symptoms

Composing with physical activity and medication schemas
Question regarding a reference list of medications
Answer: those are localized

2) prediabetes/Quantified self/biohacker: CGM for response to food intake
The mean amplitude of glycemic excursion (MAGE) is the mean of blood glucose values exceeding one SD from the 24-hour mean blood glucose and is used as an index of glycemic variability.

Other variables of interest: time in range, glycemic excursion

Notes pertaining the 2 use cases reviewed during the call are added to the running document "Common Metabolic Glucose Attributes from Existing Devices and Apps"

Next call: Tuesday, November 30, 8 am Pacific time
Minutes taken by WG Secretary Simona Carini, UCSF