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)  

Attendance: 8 attendees

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

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 sulphanil 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