

P1752.2 Metabolic Subgroup Meeting

Working Group Sponsored by IEEE Engineering in
Medicine & Biology (EMB) Standards Committee

11 January 2022

Teleconference

Agenda

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

Review of Action Items

Action Items

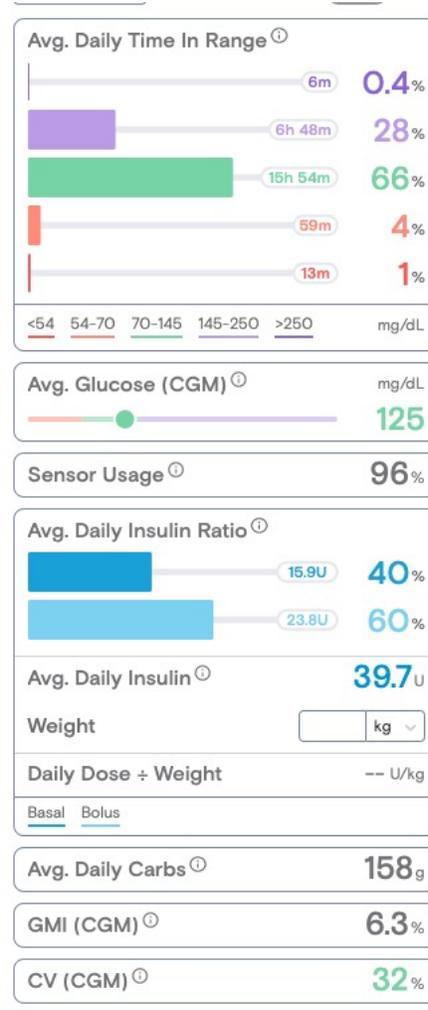
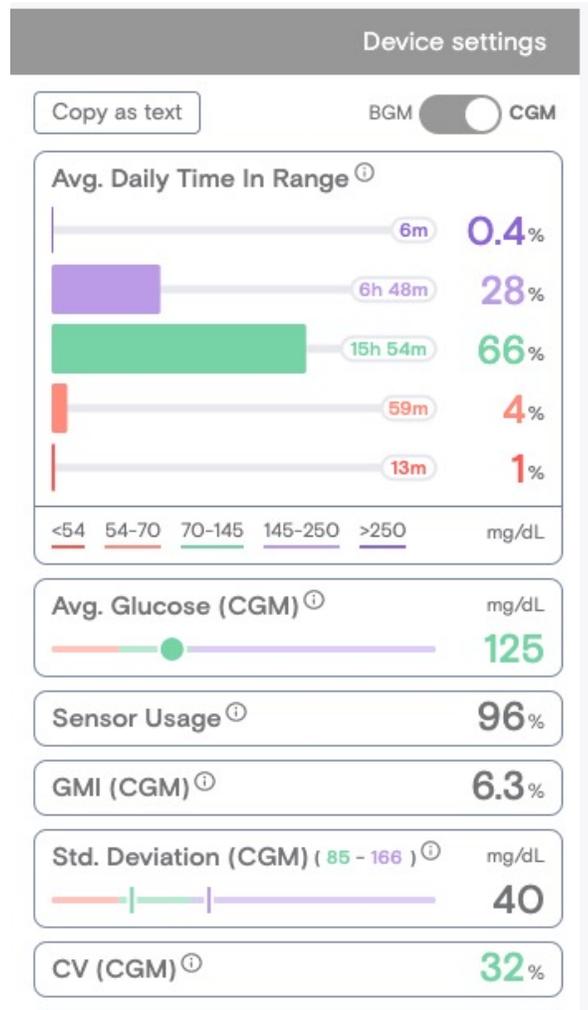
- Reach out to a known expert with some questions

Welcome to Tidepool,
your gateway to
understanding your
diabetes data

The data behind diabetes management can be overwhelming — understanding it all is empowering. Turn your diabetes data points into accessible, actionable, and meaningful insights with Tidepool.

<https://www.tidepool.org>

Which measures does Tidepool share with pts/MDs?



Tandem Uploaded on Dec 7, 2021 ›

Profile Settings

Adg Active at upload ▾

Start time	Basal Rates U/hr	Target BG mg/dL	Carb Ratio g/U	Correction Factor mg/dL/U
12:00 am	0.750	110	5	17
7:00 am	1.080	110	5	18
1:00 pm	0.950	110	4.5	16
5:30 pm	1.100	110	4	14
Total	23.155			

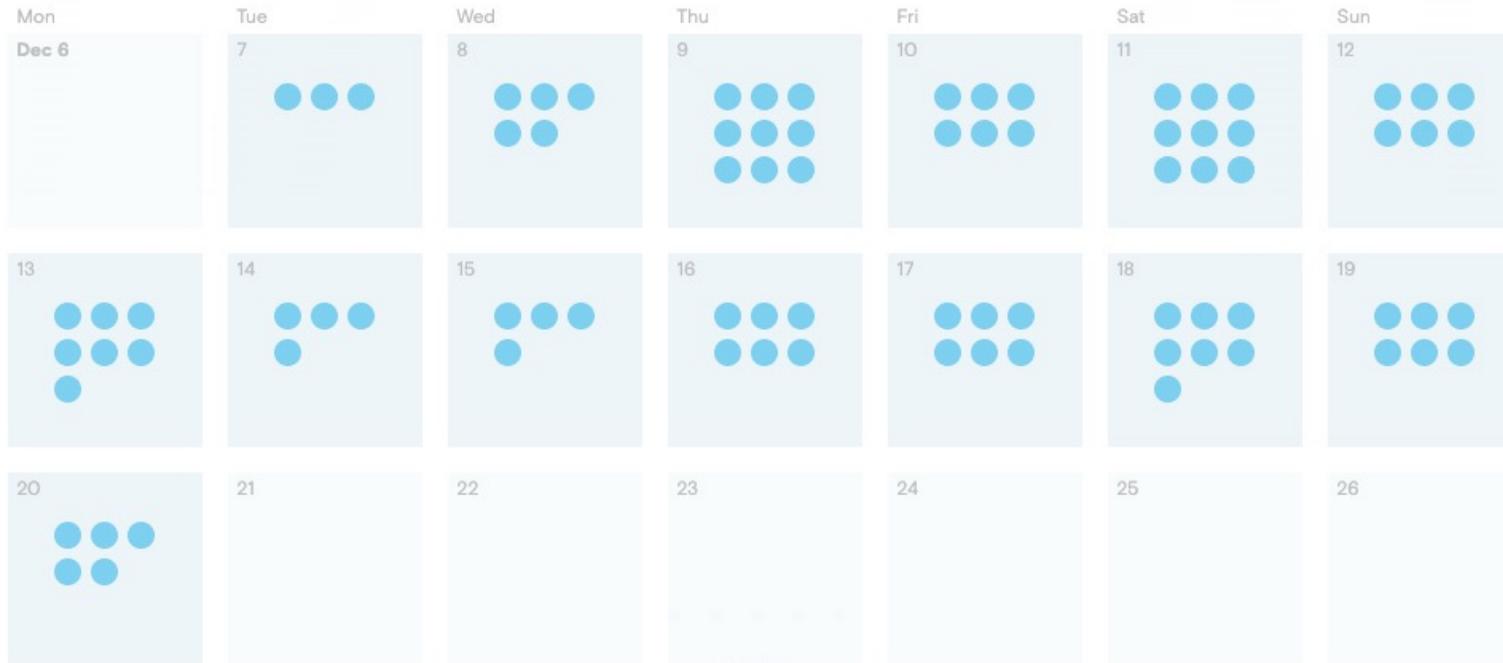
BG readings

Avg per day 1 Total: 11	Meter	0 (0%)	Manual	11 (100%)	Calibrations	3
	Below 54 mg/dL		0 (0%)		Above 250 mg/dL	



Bolusing

Avg per day 6 Total: 83	Calculator	0 (0%)	Correction	0 (0%)	Override	0 (0%)
	Extended	0 (0%)	Interrupted	0 (0%)	Underride	0 (0%)



Infusion site changes



Basals

Basal Events

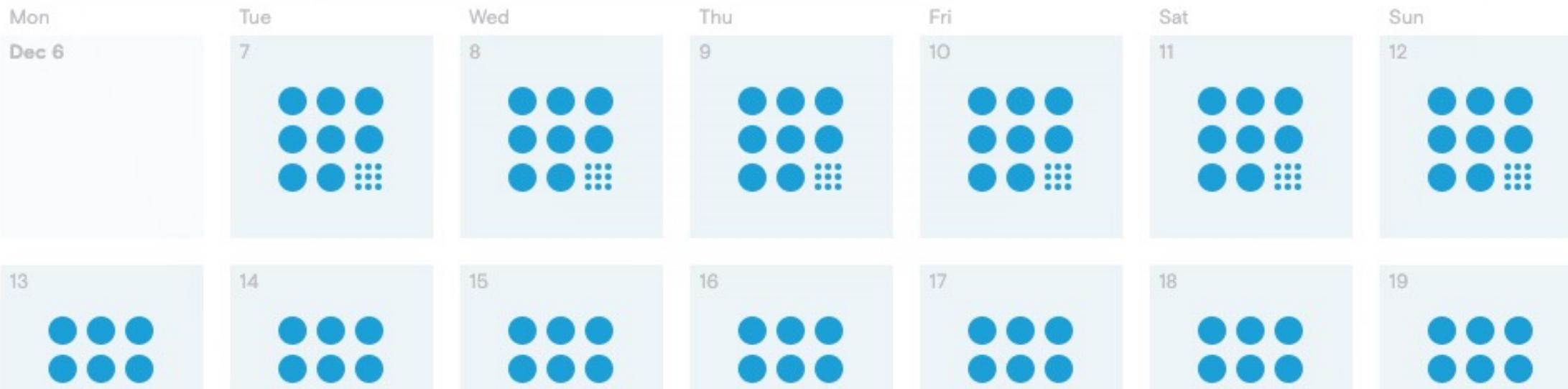
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Temp Basals

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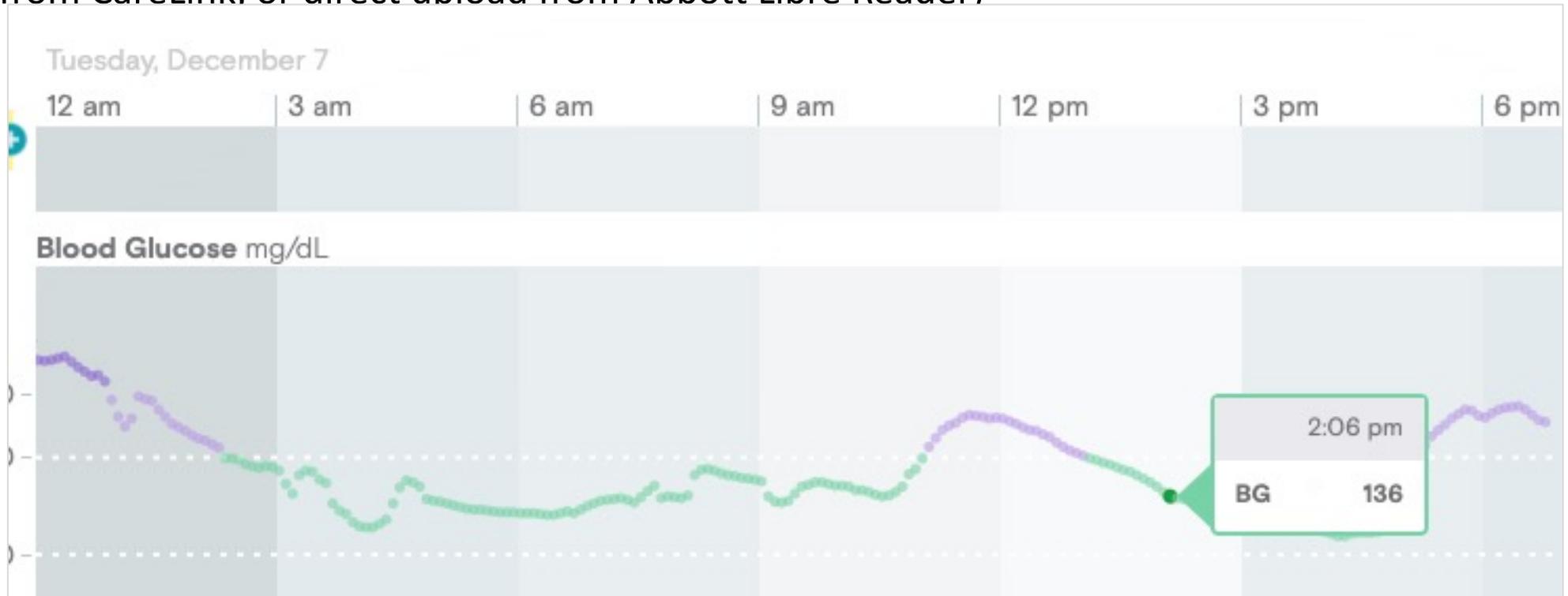
Suspends

0

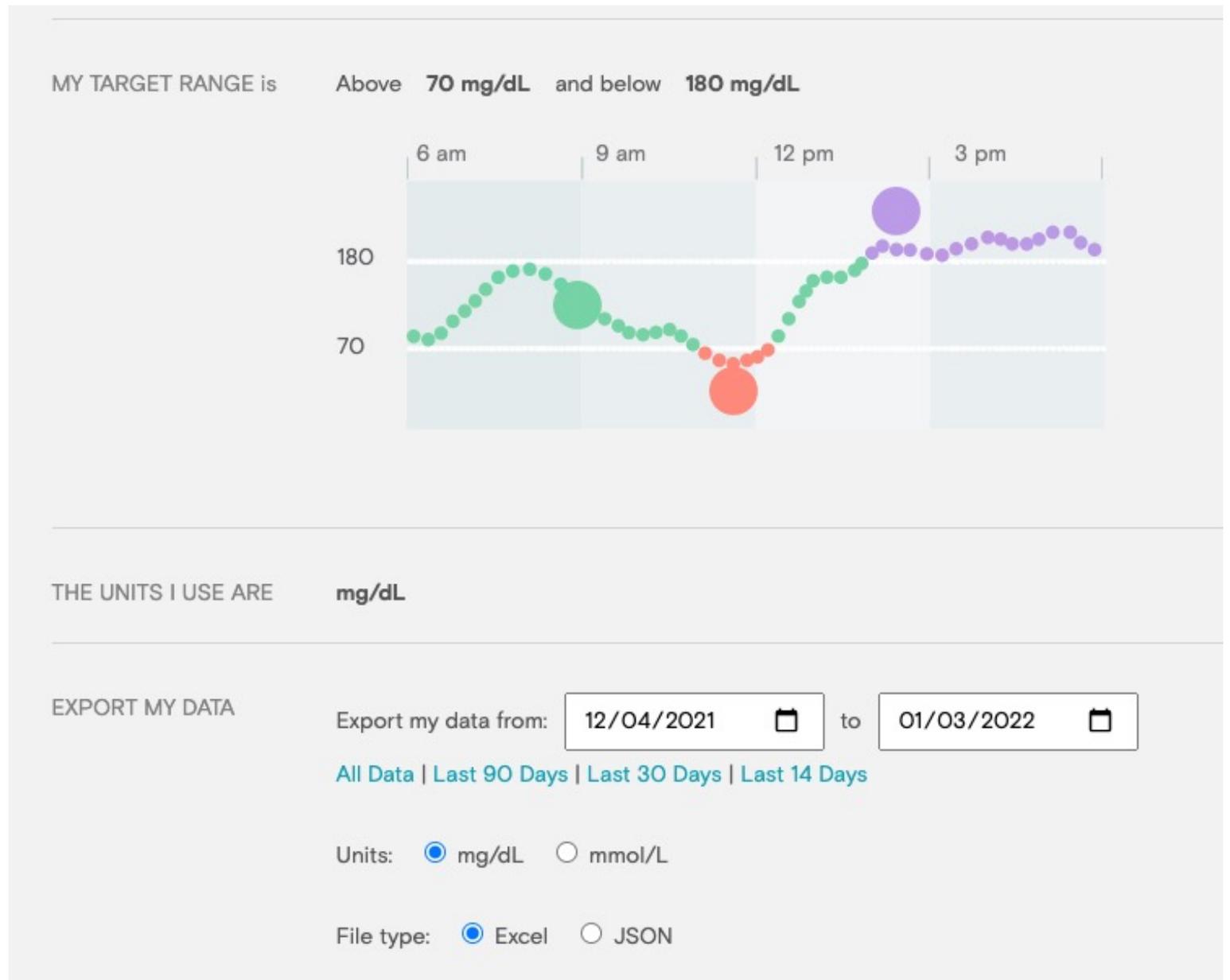


How does Tidepool receive CGM data?

- “I believe it is an every 5 minute glucose from the CGM, but that may depend on which CGM and how the data are collected (eg is it from Dexcom’s API, or through a cloud-to-cloud connection from CareLink. or direct upload from Abbott Libre Reader)”



Units are in mg/dL, or can be set to mmol/L
Patients can define their own target range



Recent articles and another source

- From CES: [Lingo: a new category of consumer biowearables](#)
 - monitoring glucose, ketones, lactate
- From STAT: [For digital diabetes care, is more data always better?](#)
- What are the important measures? → P1752.2 schemas
- DiMe [Library of Digital Endpoints](#) select where Indication contains “diabetes” → about 50 endpoints
- [Espinoza, et al.](#) iCoDe project to integrate CGM data into the EHR

Review of Tasks

Tasks: Continuing Discussion on Use Cases

- Use cases
 1. Continuous Glucose Monitoring for type 1 diabetes
 2. Blood Glucose Monitoring for type 2 diabetes on oral treatment
 3. Continuous Glucose Monitoring for type 2 diabetes on insulin
 4. Continuous Glucose Monitoring for response to food intake in prediabetes/Quantified self/biohacker

Summary of Action Items

Next Meeting

Upcoming Meeting

- Metabolic subgroup:
 - Tuesday, February 8 at 8 am Pacific