Supplementary Figure S1: Device guide.

GLUCOSE MONITORING (VERSION 6 - OCTOBER 2020)

Insurance coverage for devices may vary.

T1D Exchange

HEALTH DESIGN BY US

PRODUCT	STEPS TO USE	UPKEEP	VISIBILITY	ALERTS	LINK TO PHONE?	CAREGIVER SHARING?	COMPATIBLE WITH PUMP?	BASAL ADJUSTMENTS?	DATA VIEWING?	DATA AVAILABLE?
METER	• Prepare meter • Poke finger • Check reading	Carry supplies at all times	Pull out supplies	✗	✗ Some meters have mobile apps that link via Bluetooth	✗	✗	✗	Plug into PC to upload data	Individual BG checks show whether BG is high, low, or in range
CGM Abbott FreeStyle Libre 2	• Wave reader or compatible phone over sensor • Check reading **	• Change sensor every 14 days • Charge reader	Sensor attached to body	✓ Optional, customizable for highs and lows	✓ Reader available for iOS and some Android devices	✓ Via Libre LinkUp app	✗	✗	Scan sensor every 8 hours, plug into PC to upload data to LibreView	Measure glucose once per minute, shows current glucose, trend arrows, and graph of past data
CGM Medtronic Guardian Connect System	• Check iOS device for glucose level ** • Calibrate with meter 2x per day	• Change sensor every 6-7 days • Charge transmitter	Sensor attached to body	✓ Customizable for highs and lows (not severe lows)	✓ Real-time view for iOS devices	✓ Via CareLink Connect app for iOS	✗	✗	Mobile app uploads data to CareLink web app every night	Shows current glucose, trend arrows, and graph of past data
CGM Medtronic Guardian Sensor 3	• Check connected 670G pump for glucose level ** • Calibrate with meter 2x per day	• Change sensor every 6-7 days • Charge transmitter	Sensor attached to body	✓ Customizable for highs and lows (not severe lows)	✗	✗	✓ Medtronic 630G Medtronic 670G	✓ Connects to Medtronic 670G for auto-dosing and 630G for low glucose suspend	Plug into PC to upload data to CareLink	Shows current glucose, trend arrows, and graph of past data
CGM Dexcom G6	• Check phone or receiver for glucose level **	• Change sensor every 10 days • Charge receiver • Change transmitter every 90 days	Sensor attached to body	✓ Customizable for highs and lows (not severe lows)	✓ Real-time view for iOS and Android	✓ Via Follow app	✓ Tandem t:slim X2	✓ Connects to Tandem t:slim X2; Control IQ for auto-dosing and Basal IQ for low glucose suspend	Mobile phone view, data transmits to Dexcom Clarity; plug receiver into PC to upload data	Shows current glucose, trend arrows, and graph of past data

** Must use a blood glucose meter to verify low blood glucose or when symptoms do not match CGM reading