Supplementary Figure S1. Sample patient educational tool to increase insulin pump use.

INSULIN DELIVERY

(VERSION 6 - OCTOBER 2020)

*Continuous Glucose Monitor

Insurance coverage for devices may vary.





PRODUCT	STEPS TO USE	UPKEEP	VISIBILITY	TUBING?	LINK TO PHONE?	COMPATIBLE WITH CGM?*	BASAL ADJUSTMENTS?	DATA VIEWING?	FEATURES
INJECTIONS Vial & Syringe	Check BGCount carbsCalculate doseDraw up insulinInject dose	Use a new needle for each injection		×	×	×	×	×	Least expensive therapy option
INJECTIONS Insulin Pen	 Check BG Count carbs Calculate dose Prime pen with 2 units Twist dial to draw up insulin Inject dose 	Use a new pen needle for each injection		×	×	×	×	×	
INJECTIONS InPen Smart Insulin Pen	 Check BG Count carbs Calculate dose Prime pen with 2 units Twist dial to draw up insulin Inject dose 	Use a new pen needle for each injection		×	not all Android devices are compatible	Dexcom G5 & G6	×	View on mobile phone	Reusable pen device with insulin cartridges; Mobile app tracks active insulin, calculates doses, gives reminders; Can sync with some meters
PUMP Insulet Corp. Omnipod Dash	 Check BG Count carbs Enter BG Push touch screen to deliver insulin 	Fill pod with insulin and change pod every 2-3 days		Tubeless pod attached to body	Display and View on iOS devices only	×	×	iOS auto. uploads to Glooko, plug into PC or Android	Waterproof pod; Omnipod Dash comes with a linked Bayer Contour glucose meter
PUMP Tandem t:slim X2	 Check BG Count carbs Enter BG Push touch screen button to deliver insulin 	Change infusion set every 2-3 days; refill insulin supply		Tube attached to body	×	Dexcom G6	Auto-dosing (Control IQ), predictive low glucose suspend (Basal IQ)	Plug into PC to upload to t:connect	Device can be easily updated via Tandem Device Updater Control IQ and Basal IQ require connection with Dexcom G6 CGM
PUMP Medtronic MiniMed 670G	 Check BG Count carbs Enter BG Push manual button to deliver insulin Calibrate sensor 2x per day and have at least 4 BG checks per day to use basal auto-dosing 	Change infusion set every 2-3 days; refill insulin supply		Tube attached to body	×	Medtronic Guardian Sensor 3	Basal insulin auto-dosing, predictive low glucose suspend	Plug into PC	Can be linked to Bayer Contour Next Link 2.4 meter
PUMP Medtronic MiniMed 770G	 Check BG Count carbs Enter BG Push manual button to deliver insulin Calibrate sensor 2x per day and have at least 4 BG checks per day to use basal auto-dosing 	Change infusion set every 2-3 days; refill insulin supply		Tube attached to body	via MiniMed Mobile App and CareLink Connect App	Medtronic Guardian Sensor 3	Basal insulin auto-dosing, predictive low glucose suspend	Plug into PC or send data via app	Can be linked to Bayer Contour Next Link 2.4 meter