

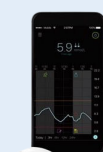





CGM comparison table

Company			DEXCOM		MEDTRONIC			ABBOTT	
CGM			<div>Dexcom G6</div> 	<div>Dexcom G7</div> 	<div>Guardian connect</div> 	<div>Guardian 3</div> 	<div>Guardian 4</div> 	<div>Freestyle Libre 2</div> 	
Age group approved for use of the CGM in Canada			2 y.o and over		3 y.o and over	2 y.o. and over (770G) 7 y.o. and over (670G)	7 y.o and over (780G)	4 y.o. and over	
Automatic data display			YES						Yes, if a smartphone acts as the receiver
SYSTEM COMPONENTS	Receiver/reader		<ul style="list-style-type: none">Tandem t:slim X2 pumpSmartphone or tablet with Dexcom G6 appSmartwatchDexcom G6 receiver	<ul style="list-style-type: none">Tandem T:Slim X2 insulin pumpSmartphone or tablet with Dexcom G7 appSmartwatch (data can be viewed on Apple watch without need of phone).Dexcom G7 receiver	<ul style="list-style-type: none">Smartphone or tablet with Guardian Connect app	<ul style="list-style-type: none">Medtronic MiniMed 670G, 770G, 780G pumps	<ul style="list-style-type: none">Medtronic MiniMed 780G pump	<ul style="list-style-type: none">Freestyle Libre 2 readerSmartphone with FreeStyle Libre 2 app	
	Sensor	Duration	10 days	10 days + 12h grace period	7 days			14 days	
		Insertion site	2-17 y.o.: abdomen and upper buttocks 18 y.o. and over: abdomen and arm	2-6 y.o.: arm, abdomen and upper buttocks 7 y.o. and over: arm, abdomen	Abdomen, arm, upper buttocks		<ul style="list-style-type: none">7-17 y.o.: arm and upper buttocks18 y.o. and over: abdomen and arm	Back of the arms	
		Sensor readings	Every 5 minutes						Every minute
		Waiting time before the first results after a sensor change	2 hours	30 minutes	2 hours			1 hour	
	Transmitter	Duration	3 months Non-rechargeable	All-in-one sensor and transmitter	Several years Rechargeable 1 hour		12 months, rechargeable in 2 hours with Guardian charger (1 AAA battery).	All-in-one sensor and transmitter	
		Maximum distance with the receiver	6 meters		6 meters	1.8 meter	6 meters	6 meters (if smartphone acts as the receiver)	

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CGM		Dexcom G6	Dexcom G7	Guardian connect	Guardian 3	Guardian 4	Freestyle 2
CAPILLARY MEASUREMENT	Calibration required with a capillary blood sugar measurement	None, but possible if a large difference with capillary value is observed.		• Once in the first two hours • Minimum of twice a day • The device stops reading blood sugar if it is not calibrated.		None, but required to start Smart Guard.	None
	Ability to use the blood sugar value to calculate the insulin dose to take	YES		NO		YES	YES
	Cases where a capillary blood sugar measurement is recommended	• If symptoms are inconsistent with the displayed result. • Glucose measurements and/or trend arrows are not displayed.		• If symptoms are inconsistent with the displayed result. • When taking insulin and making treatment decisions.		• If symptoms are inconsistent with the displayed result. • If the value to determine the bolus doesn't make sens.	• If symptoms are inconsistent with the displayed result. • If taking an interfering substance.
	Ability to measure capillary blood sugar levels and ketone bodies with the same device	NO					YES, with the company's reader.
DATA MANAGEMENT	Ability to program alerts	YES					
	Hypoglycemia management	• Alarm or alert (programmable threshold) in case of hypoglycemia. • Ability to notify loved ones in case of hypoglycemia.	• Alarm or alert (programmable threshold) in case of hypoglycemia or 20 minutes before. • Ability to adjust alerts and sounds for flexibility and discretion. • Ability to notify loved ones in case of hypoglycemia.	• Alarm or alert (programmable threshold) in case of hypoglycemia, or 10-60 minutes before. • Ability to notify loved ones in cas of hypoglycemia.	• Alarm or alert (programmable threshold) in case of hypoglycemia, or 30 minutes before. • Communicates with the pump to shutdown isulin infusion before (or when) hypoglycemia occurs.		• Alarm or alert (programmable threshold) in case of hypoglycemia. • Ability to set reminders to check blood sugar. • Ability to notify loved ones in case of hypoglycemia.
	Trend arrows	YES					
	Data storage capacity of the sensor or emitter/transmitter	The transmitter retains 3 hours of data if there is no communication.	24 hours if no communication.	The transmitter retains 10 hours of data if there is no communication with the smart phone or tablet.	The transmitter retains 10 hours of data if there is no communication with the pump.		The sensor retains the past 8 hours of data if scanned at least once within those 8 hours (unless data is automatically displayed on a cell phone).
	Ability to share data in real time with someone (e.g., relative, caregiver)	YES • Dexcom G6 or G7 app with the share feature. • Dexcom Follow app to receive. • Requires an Internet connection and a smartphone		YES	NO (670G) YES (770G, 780G)	YES	YES Data is shared via Application LibreLinkUp. Requires an Internet connection and a smartphone.
				Requires an Internet connection and a smartphone.			
CGM data uploading platforms	Dexcom Clarity - Glooko		Carelink Personal - MiniMed Mobile			Libre view	

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OTHER	Watertightness (sensor + transmitter)	Depth of 2.4 metres (8 feet) up to 24 hours		Depth of 2.4 metres (8 feet) up to 30 minutes			Depth of 1 metre (3 feet) up to 30 minutes
	Interfering substances (that can alter the results)	Hydroxyurea	Hydroxyurea, acetaminophen (if more than 1g every 6h)	Acetaminophen (e.g., high doses of Tylenol)		Acetaminophen and hydroxyurea	Vitamin C supplement (over 500 mg per day) Salicylic acid (e.g., Aspirin, over 650mg per day)
COST <small>(coverage can vary between provinces)</small>	Supplies	<ul style="list-style-type: none">• Sensor: \$300 per month• Transmitter: \$300 (free if ordered through Dexcom with proof of purchase of sensors or with yearly membership)• Receiver: free through technical support.	<ul style="list-style-type: none">• Only available in pharmacy• All-in-one sensor and transmitter: \$75 (plus pharmacy costs)• Receiver: \$60 (plus pharmacy costs)	<ul style="list-style-type: none">• Sensor: \$60 per week• Transmitter: \$800		<ul style="list-style-type: none">• Sensor: \$99/month when ordered through Medtronic.• Transmitter: \$399, but free with annual membership.	<ul style="list-style-type: none">• Sensor \$100 biweekly• Reader \$54 (can be given by the company by calling)• No transmitter
	Estimated monthly cost	\$310	\$225 (plus pharmacy costs)	\$400 (\$300 with membership)	\$400 (\$300 with membership) + cost of pump	\$299	\$200 (slightly more if purchased from a pharmacy)
	Estimated annual cost	\$3,720	\$2,700 (plus pharmacy costs)	\$4,150 + initial cost of transmitter (\$800)	\$4,150+ cost of pump	\$3,600 + cost of pump	\$2,400 (slightly more if purchased from a pharmacy)
WEBSITE		dexcom.com		medtronic.com			myfreestyle.ca
CUSTOMER SERVICE		1 844 832-1810 <ul style="list-style-type: none">• 1: Sales and customer service• 2: Support for applying for reimbursement by private insurances and Hello Dexcom trial program.• 3: Technical support• 4: Dexcom training and start-up assistance		Product help line or Supply order: Toll-free: 1 800 284 4416			Information about Freestyle Libre : 1 888 205-8296 Customer service: 1 800 461-8481