

SIDE BY SIDE COMPARISONS OF GLUCOSE MONITORING SYSTEMS (Updated July 2025)

This comparison table shows the features of the most current systems available in Aotearoa/New Zealand and is designed to help you find the technology that best meets your individual needs and preferences. This information was provided by MediRay New Zealand, New Zealand Medical & Scientific (NZMS) Intermed Medical NZ, and Intuitive Therapeutics.

	Abbott Freestyle Libre 2 Plus	Abbott Freestyle Libre 3 Plus	Dexcom ONE +	Dexcom G6	Dexcom G7	Medtronic Guardian 4 transmitter & Guardian Sensor 4	LinX
	Funded from May 1 st 2025	Funded from October 1 st 2024	Funded from October 1 st 2024	Funded from October 1 st 2024	Funded from October 1 st 2024	NOT FUNDED	NOT FUNDED
Ability to use Hybrid Closed Loop Therapy when integrated with insulin pump	Stand-alone system only	Compatible with mylife YpsoPump and Tandem t:slim X2™ pump	Stand-alone system only	Compatible with Tandem t:slim X2™ and YpsoPump insulin pumps Also stand-alone (not funded)	Compatible with Tandem t:slim X2™ insulin pumps Also stand-alone (not funded)	Compatible with MiniMed 770G / 780G insulin pump	Stand-alone system only
Age limitations	From 2 years	From 2 years	From 2 years	From 2 years	From 2 years	No age restrictions	From 18 years
Accuracy / MARD ^a	8.2%	8.6% paediatric (aged 6-17yrs) 7.5% adult	18+yrs (arm) – 8.2% 18+yrs (abdomen) – 9.1% 7-17yrs (arm) – 8.1% 7-17yrs (abdomen) – 9.0%	9.6% (age 6 – 17yrs) 9.9% (age 2 – 5yrs)	18+yrs (arm) – 8.2% 18+yrs (abdomen) – 9.1% 7-17yrs (arm) – 8.1% 7-17yrs (abdomen) – 9.0%	10.8%	8.66%
Do you still need to do finger-prick checks?	If glucose readings and alarms do not match symptoms or expectations	If glucose readings and alarms do not match symptoms or expectations	If glucose readings and alarms do not match symptoms or expectations	If glucose readings and alarms do not match symptoms or expectations	If glucose readings and alarms do not match symptoms or expectations	If glucose readings and alarms do not match symptoms or expectations	If glucose readings and alarms do not match symptoms or expectations
Live data sharing?	Yes	No - unless linked via insulin pump device	Yes – up to 10 followers if using phone app	Yes – up to 10 followers if using phone app	Yes – up to 10 followers if using phone app	Yes - up to 5 care partners	Yes

As kaitiaki (caregivers/guardians) of diabetes related services, it is a collective responsibility to establish an environment that facilitates a pathway for people with diabetes to navigate te ao mate huka - the world of diabetes
Te Kaiwhakahaere Māori te Roopu mate huka Debbie Rawiri - Te Whatu Ora Waitaha Canterbury

	Abbott Freestyle Libre 2 Plus	Abbott Freestyle Libre 3 Plus	Dexcom ONE+	Dexcom G6	Dexcom G7	Medtronic Guardian 4 transmitter & Sensor	LinX
Low/high glucose alarms?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Predictive alarms?	No	No	Yes	Yes	Yes	No	No
Are glucose trends displayed?	Yes	Yes - via Tandem t:slim X2™ insulin pump. Requires CamAPS FX app to display with YpsoPump (not an independent device and needs 3 rd party app to display)	Yes	Yes	Yes	Yes	Yes
Range: How close does the sensor have to be to the receiver?	6 metres	10 metres	6 metres	6 metres	10 metres	About 6 metres	Up to 10 metres
Affected by medications?	Yes, Vitamin C ^b	No	Yes, Hydroxyurea ^c	Yes, Hydroxyurea ^c	Yes, Hydroxyurea ^c	Yes, Paracetamol ^d	No
Sensor life	Up to 15 days	Up to 15 days	10 days with 12 hour grace period	10 days	10 days with 12 hour grace period	7 days	15 days
Transmitter Life	N/A	N/A	N/A	3 months	N/A	Over a year	N/A
Transmitter Warranty Period	N/A	N/A	N/A	3 months	N/A	12 months	N/A
Combined Sensor + Transmitter Size	3.5 cm diameter x 0.5 cm height	2.9 x 0.29 cm (D x H)	2.4 x 2.73 x 0.46 cm (L x W x H)	4.1 x 2.2 x 0.8 cm (L x W x H)	2.74 x 2.41 x 0.47 cm (L x W x H)	2.87 x 3.58 x 0.96 cm (L x W x H) Transmitter is approx. 5.4 gm	2.2 x 2.2 x 0.42 cm (L x W x H)
Warm Up Period	60 minutes	60 minutes	30 minutes	2 hours	30 minutes	2 hours	60 minutes
Water Resistance?	1 metre of water for up to 30 minutes	1 metre of water for up to 30 minutes	2.4 metres of water for 24 hours	2.4 metres of water for 24 hours	2.4 metres of water for 24 hours	Waterproof to 2.4 metres for 30 minutes	1.5 metre of water for 30 minutes
Distributor	MediRay New Zealand www.mediray.co.nz	MediRay New Zealand www.mediray.co.nz	New Zealand Medical & Scientific (NZMS) https://nzmsdiabetes.co.nz/	New Zealand Medical & Scientific (NZMS) https://nzmsdiabetes.co.nz/	New Zealand Medical & Scientific (NZMS) https://nzmsdiabetes.co.nz/	Intermed Medical NZ https://intermed.co.nz/brand-categories/diabetes	Order online from www.intuitivetherapeutics.co.nz

^a MARD = Mean Absolute Relative Difference. This reflects the difference between the glucose monitor readings and the glucose values obtained from a lab analyser. A lower value means values are closer to the lab reference values, therefore deemed more accurate. The practical implications of these differences are not considerable.

^b Vit C may falsely raise sensor readings – (taking more than 500mg of ascorbic acid per day, may affect Sensor readings)

^c Hydroxyurea is a medication used primarily to treat certain types of cancer.

^d Paracetamol may falsely raise glucose levels.