**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.

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|  | **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 1st** **2025** | **Funded from October 1st** **2024** | **Funded from October 1st** **2024** | **Funded from October 1st** **2024** | **Funded from October 1st** **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 TM pump | Stand-alone system only | Compatible with Tandem t:slim X2TM and YpsoPump insulin pumps  Also stand-alone (not funded) | Compatible with Tandem t:slim X2TM 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 / MARDa** | 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 |
|  | **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 X2TM insulin pump.  Requires CamAPS FX app to display with YpsoPump (not an independent device and needs 3rd 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 Cb | No | Yes, Hydroxyureac | Yes, Hydroxyureac | Yes, Hydroxyureac | Yes, Paracetamold | 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](http://www.mediray.co.nz) | MediRay New Zealand  [www.mediray.co.nz](http://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](http://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.