

# Continuous Glucose Monitoring systems (CGMs)

## Intraoperable - will work with a funded insulin pump

Three CGMs that work with funded insulin pumps to form an Automated Insulin Delivery (AID or 'closed loop') system will be available from 1 October:

### Dexcom 6



The Dexcom 6 comes with a one-touch applicator that inserts a sensor just below the skin. This measures glucose levels and sends real-time data wirelessly to smartphone or receiver. You can customise alarms, share your data with up to 10 others and use from 2 years of age. It features an 'Urgent Low Soon' alert with 20 minutes warning and you can wear it in multiple locations. Up to 5 packs containing one transmitter and 9 sensors will be funded each year, with 1 pack on each prescription.

### Dexcom 7



The Dexcom 7 is 60% smaller than the Dexcom 6 and is designed to be worn on the upper arm. It features the same real-time data measuring, customisable alarm features and data-sharing features as the Dexcom 6 but warms up faster (in 30 minutes). It can transmit data to a smart watch as well as smartphone and receiver device. Up to 40 devices will be funded each year with 9 on each prescription. The accuracy is comparable with the FreeStyle Libre 3 Plus, and slightly better than the Dexcom 6.

### FreeStyle Libre 3 Plus



The FreeStyle Libre 3 Plus is designed to be the smallest and thinnest CGM on the market and retains the same technology as its predecessors. This includes sending glucose readings every minute to a compatible smart phone or receiver. This model can be worn for up to 15 days and be used from 2 years of age. Up to 28 devices will be funded each year with up to 6 per prescription.

Please note that the suppliers of both CGMs would provide standalone reader devices free of charge to anyone without a smartphone or device that is compatible with their chosen CGM. Funding does not include the cost of GP visits and you will pay a co-payment (usually \$5) at the pharmacy if you do not qualify for free prescriptions. Adhesive patches are provided for Dexcom devices and FreeStyle Libre devices do not require them.

Read on to our comparison table for details of how these devices compare with each other.



# COMPARISON TABLE

## Intraoperable CGMs (that work with funded insulin pumps)

<b>Supplier</b>	NZMS	NZMS	Abbott (Mediray)
<b>CGM</b>	Dexcom 6	Dexcom 7	FreeStyle Libre Plus 3
<b>Accuracy (MARD-adults)</b>	9.0%	8.2%	8.2%
<b>Warm-up period</b>	120 minutes	30 minutes	60 minutes
<b>Sensor life</b>	10 days	10.5 days	15 days
<b>Combined sensor size</b>	45.7mm x 30.5mm x 15.2mm	27mm x 23mm x 4.7mm	21mm x 2.9mm
<b>Weight</b>	28 grams	7.5 grams	1 gram
<b>Separate reader device (if required)</b>	Yes	Yes	No
<b>Water resistance (ingress protection)</b>	IP68: immersion in up to 2.4 meters of water for 24 hours	IP68: Waterproof 2.4m - up to 24 hours	IP67: immersion in water for up to 1 meter for 30 minutes
<b>Which insulin pump will it work with to form an AID?</b>	Tandem t:slim and mylife YpsoPump	Tandem t:slim	mylife YpsoPump and Tandem t:slim (by 1 July 2025)
<b>Range</b>	6 meters	6 meters	10 meters
<b>Alarm functionality</b>	High, low, rise, fall, urgent low soon, urgent low, signal loss	High, low, rise, fall, urgent low soon, urgent low, signal loss, silent mode	Low, high, signal loss
<b>Predictive alarms</b>	Yes	Yes	No
<b>Live data sharing with others</b>	Yes via Dexcom Follow	Yes via Dexcom Follow	Yes via CamAPS FX app (in conjunction with YpsoPump)
<b>Data sharing with healthcare providers</b>	Yes via Dexcom Clarity	Yes via Dexcom Clarity	Yes - via CamAPS FX app (in conjunction with YpsoPump)
<b>Glucose reading frequency</b>	Automatic readings	Automatic readings	Every 1 min
<b>Approved sites</b>	Abdomen, upper arm, thigh	Abdomen, upper arm, thigh	Upper arm