Prescribing insulin pump supplies and Continuous Glucose Monitors (CGM) in General Practice



This is what one month of living with type 1 diabetes looks like. Site changes, CGM failures, pump occlusions, bleeders, discomfort, wearing tech etc.,

(Photo: Diabetes Training Camp, Facebook)

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Background

There are currently two funded insulin pumps available on prescription –

Tandem T:Slim X2

mylife YpsoPump





Medtronic MiniMed770G Those currently using this pump are being transitioned to one of the above pumps before 2026.



Insulin Pumps are ALWAYS prescribed by the Specialist Diabetes team. However, to provide equitable access to whaanau, primary care providers will be required to prescribe insulin pumps consumables alongside the patient's other usual medication.

Both T:slim and Ypso run 'partial closed loop' systems integrating with Continuous Blood Glucose Monitoring (CGM) Systems. Whaanau will require CGM to be prescribed alongside their insulin pump consumables. (See Appendix 4 for list of which CGM are compatible with each pump).

Remember that whaanau will need insulin (rapid and back-up longer-acting insulin), glucose (Caresens Pro™) and ketone (Ketosens™) testing strips to use in a Caresens Dual™ meter, glucagon, needles (4 or 5mm), and pens.

The rapid-acting insulins Humalog[™] or Novorapid[™] are used in both insulin pumps. Apidra[™] can only be used in the mylife Ypso[™] pumps (not Tandem[™]).

Back up longer-acting insulin, needles (4 or 5mm) and pens are in case of pump failure. Whaanau are advised to contact the on-call diabetes registrar or nurse specialist or phone the pump provider support line if they have issues with their insulin pump (See Appendix 5 for contact information).

Contact Primary Health Organisation leads (See Appendix 5 for contact information) if after following these instructions you are still having difficulties prescribing these supplies.

See Appendix 1 Components/ Definitions of insulin pump

Part A: Finding information about what consumables, CGM & insulin whaanau require.

Insulin pumps consumables and CGM whaanau need should be

- 1. Documented in the clinic letters that are forwarded from secondary care (see Appendix 3 for example of information that should be noted in clinic letters)
- 2. Found by contacting their community pharmacy.
- 3. Available in Clinical Workstation (CWS) via the Midland rCP portal (see Appendix 2 for how to access dispensing information via CWS)

Part B: General principles

(i) Insulin Pump Consumables

Whaanau will likely need reservoirs/cartridges <u>and</u> infusion sets on each prescription (see diagram in Appendix 1).

There are limitations on the number that can be supplied on a prescription AND per year

| Maximum per prescription | 5 sets (boxes) | | |
|--------------------------|-----------------|--|--|
| Maximum per year | 19 sets (boxes) | | |

All consumables will need a Special Authority number – Applications are completed by secondary care and have a lifetime expiry.

Directions could state 'Use to deliver insulin via a pump as instructed by your specialist diabetes team' OR something similar.

(ii) Continuous Glucose Monitoring (CGM) Systems

Dexcom™ ONE+ and Freestyle Libre 2 Plus™ are standalone sensors for those on multiple daily injections or those still using Medtronic insulin pumps. The special authority numbers for these sensors are interchangeable.

Dexcom $G6^{TM}$, Dexcom $G7^{TM}$ and Freestyle Libre 3^{TM} plus are for those on automated insulin delivery (i.e. partial closed loop where CGM integrates with the insulin pump (Refer Appendix 4 for compatibilities).

Dexcom[™] sensors last 10 days each and Freestyle Libre Plus[™] sensors last 15 days.

Limitations of the number of sensors per prescription form and per year are;

| Sensor | Number per prescription | Number per year |
|---------------------------|--------------------------------|--------------------------------|
| Dexcom G6™ | 1 box (each box containing 9 | 5 boxes (each box containing 9 |
| | sensors and 1 transmitter) per | sensors and 1 transmitter) |
| | prescription | |
| | *Prescribe as combination box | |
| Dexcom G7™ | 9 sensors per prescription | 40 sensors |
| | *Prescribe as single sensors | |
| Dexcom ONE+™ | 9 sensors per prescription | 40 sensors |
| | *Prescribe as single sensors | |
| Freestyle Libre 2™ | 7 sensors per prescription | 29 sensors |
| Phasing out from May 2025 | *Prescribe as single sensors | |
| Freestyle Libre 2 plus™ | 6 sensors per prescription | 28 sensors |
| , | *Prescribe as single sensors | |
| Freestyle Libre 3 plus™ | 6 sensors per prescription | 28 sensors |
| , | *Prescribe as single sensors | |

Refer to Schedule Online - Search: continuous glucose monitor for further information

Part C Prescribing using Indici™

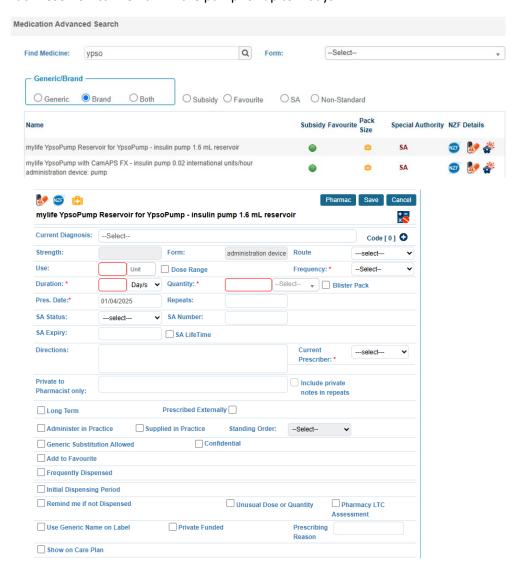
Insulin Pump Consumables

- (i) Mylife Ypso Pump consumables
 - a. Insulin Reservoirs

Insulin reservoirs are located by entering 'Mylife' or 'Ypso' into the medication search.

Each box contains 10 empty glass self-filling 160 iu reservoirs that can be filled and stored in the fridge for up to 30 days.

Each reservoir can remain in the pump for up to 7 days.



b. Infusion sets

Infusion sets funded for YpsoPump include;

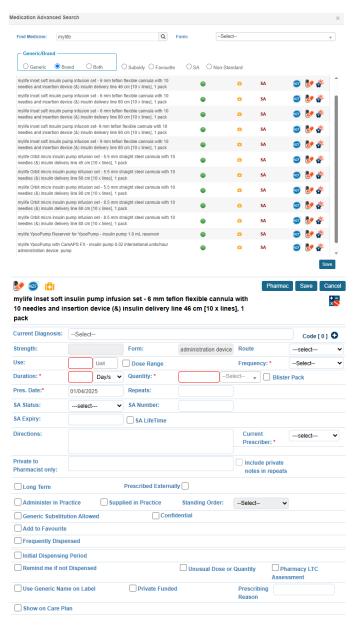
- MyLife YpsoPump Orbit Micro a high-quality steel cannula available in 6mm needle length
- MyLife YpsoPump Orbit Soft flexible soft cannula available in 2 needle lengths (6mm & 9mm)

Infusion sets can be located under the brand 'MyLife' or 'Ypso'

Infusion sets come with various tube lengths. Whaanau often have a preferred length.

Infusion sets MUST be changed at least ONCE every THREE days.

Limitations on prescribing: 5 boxes (each box containing 10 infusion sets) per prescription and 19 boxes per year



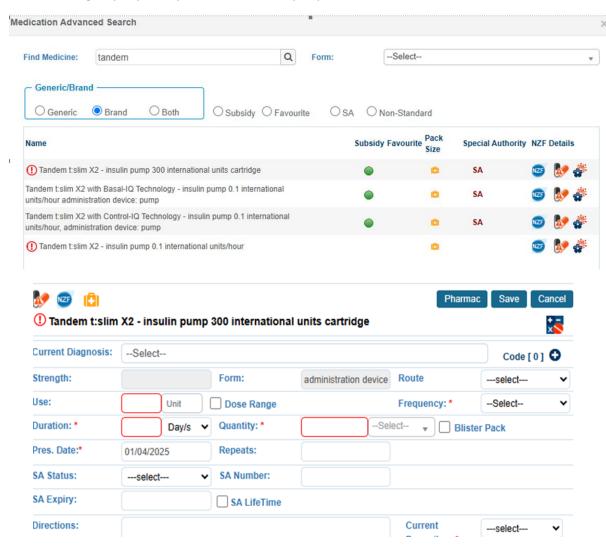
(ii) Tandem T:Slim X2 consumables

Tandem cartridges (reservoirs) and infusion sets MUST be changed at least ONCE every THREE days.

a. Insulin cartridges

Insulin reservoirs a.k.a cartridges are located by entering '*Tandem*', into the medication search.

Limitations on prescribing: 5 boxes (Each box contains 10 cartridges and 10 syringes to fill those cartridges) per prescription and 19 boxes per year



b. Infusion sets

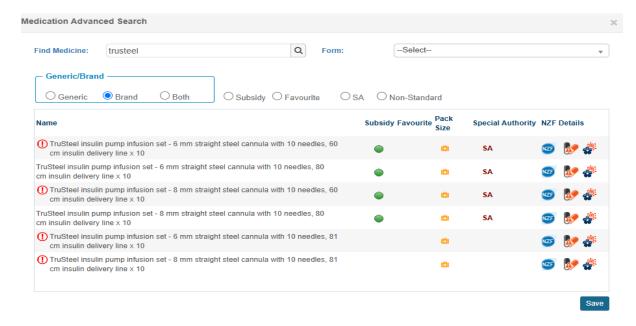
Infusion sets funded for T:Slim X2 insulin pump include;

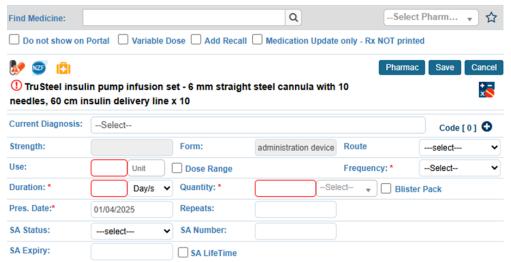
- AutoSoft 30™: An infusion set with a flexible, 30-degree cannula and automatic inserter.
- AutoSoft 90™: A straight-in, auto-insert, teflon infusion set.
- TruSteel™: An infusion set with a 90-degree steel needle and extra adhesive.
- VariSoft™: An infusion set with a customizable insertion angle and two choices in cannula length.

Infusion sets located under the brands 'Trusteel', 'Autosoft' and 'Varisoft'.

Infusion sets come with various tube lengths. Whaanau often have a preferred length.

Limitations on prescribing: 5 boxes (each containing 10 cartridges) per prescription and 19 boxes per year



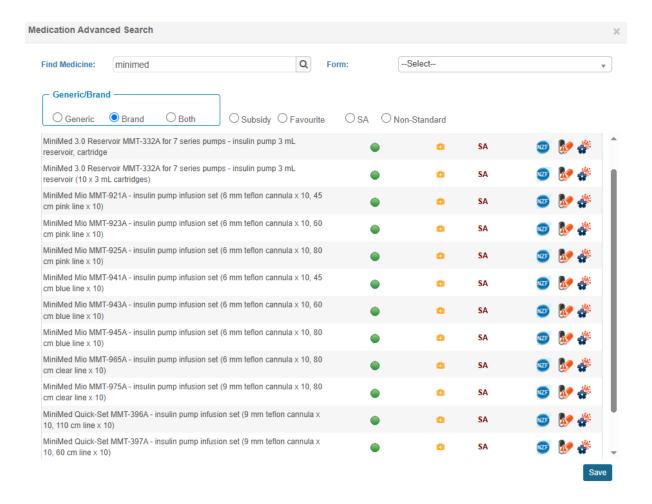


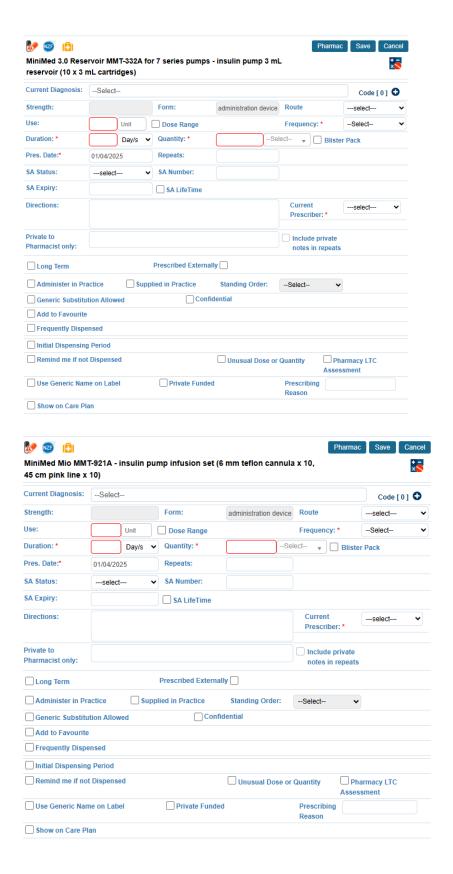
(iii) Medtronic MiniMed 770G consumables

All pump consumables can be searched and located by brand name 'MiniMed'.

Whaanau will need 'reservoirs' and 'infusion sets' prescribed as separate prescription items.

Limitations on prescribing: 5 boxes per prescription and 19 boxes per year.



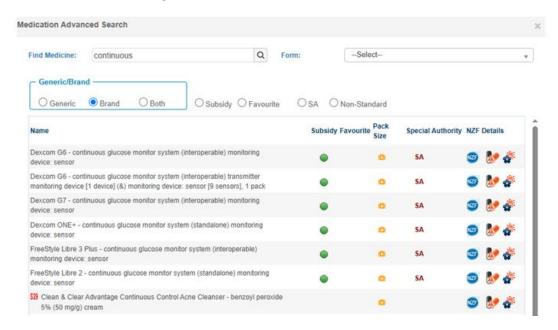


Continuous Glucose Monitoring Sensors

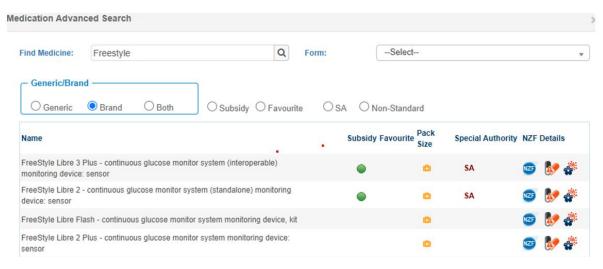
Enter 'Continuous' or "Freestyle' or 'Dexcom' into the medication search bar.

Note: For Dexcom G6[™] – there are 2 options. Choose the option with a 'transmitter'

Screen when search using 'Continuous'

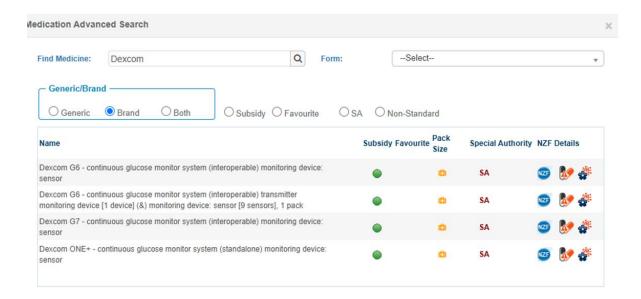


Screen when search using 'Freestyle'



Screen when search using 'Dexcom'

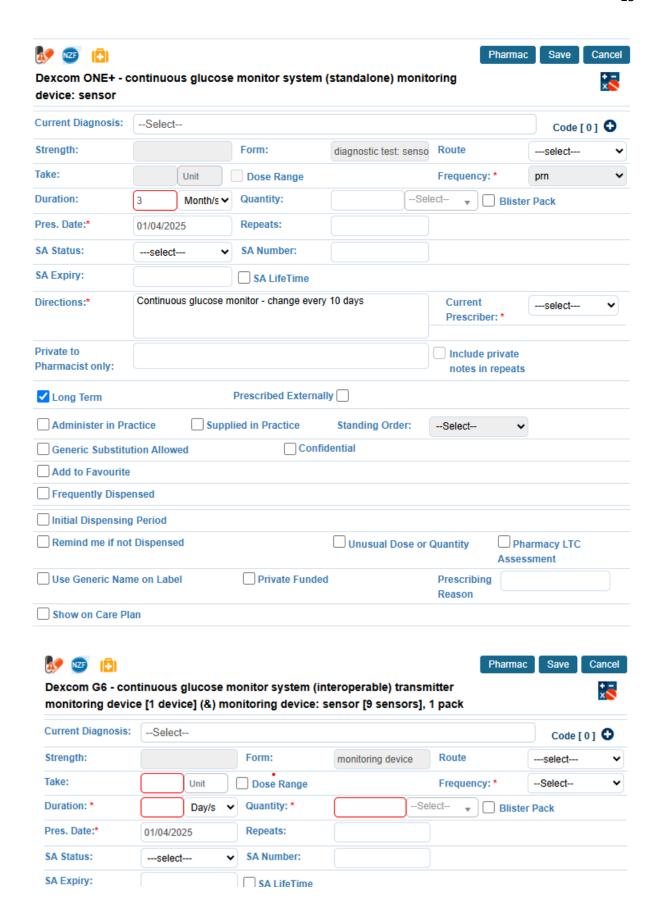
Reminder: For Dexcom G6[™] – there are 2 options. Choose the option with a 'transmitter'

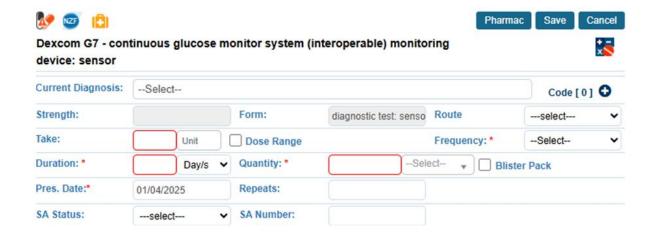


Example of how to complete the next prescribing screen;

Helpful hints

- Add period of supply (3/12 or 90 days) rather than number of sensors
- Add the special authority information
- 'Unclick' the genetic substitution box
- 'Tick' as long term



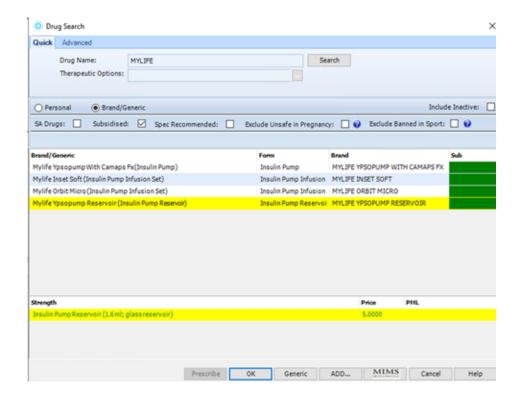


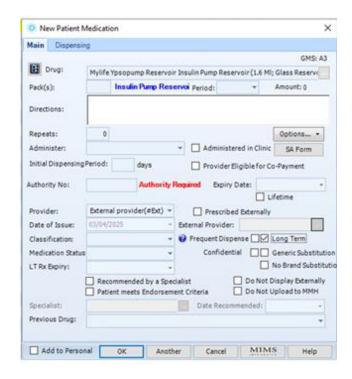
Part D Prescribing using Medtech™ Insulin Pump Consumables

(i) Mylife YPSO consumables

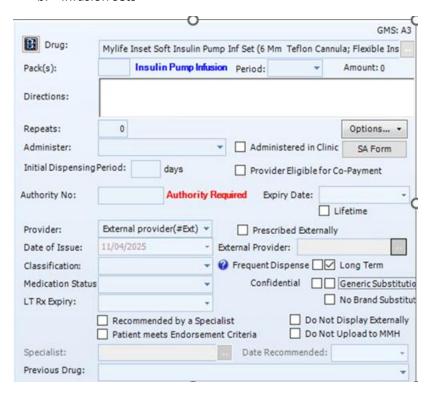
Reservoirs and Infusion sets can all be located by adding 'Mylife' into the search

a. Reservoirs/Cartridges





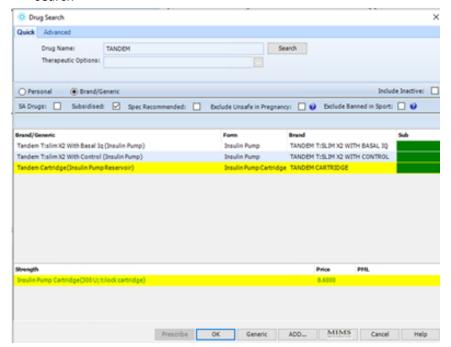
b. Infusion sets



(ii) Tandem T:Slim X2 consumables

a. Insulin reservoirs

Insulin reservoirs a.k.a cartridges are located by entering 'Tandem' into the medication search

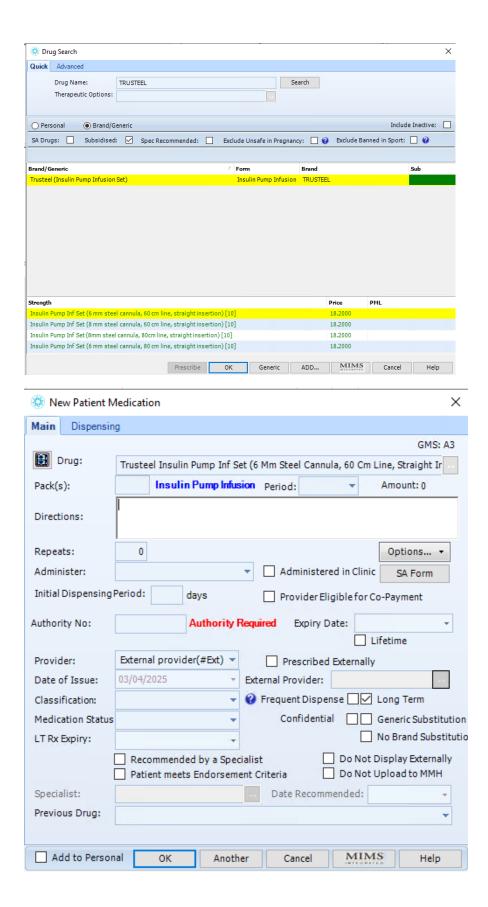


b. Infusion sets

Infusion sets are located under the brand 'Trusteel', 'Autosoft' and 'Varisoft'.

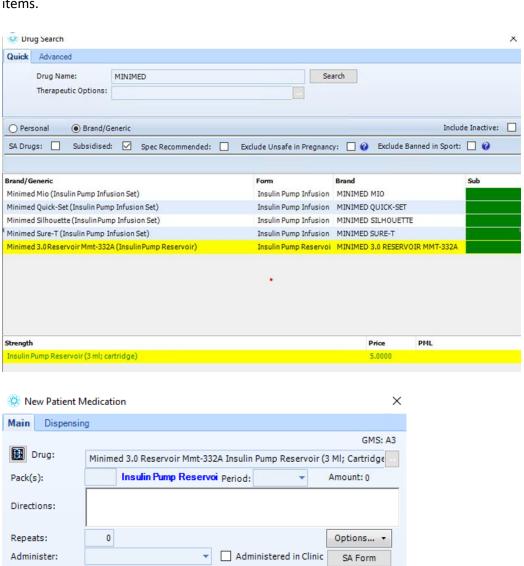
Whaanau may have a preference the length of the tubing.

Need 'subsidised' and 'brand/generic' box selected (not personal medications)

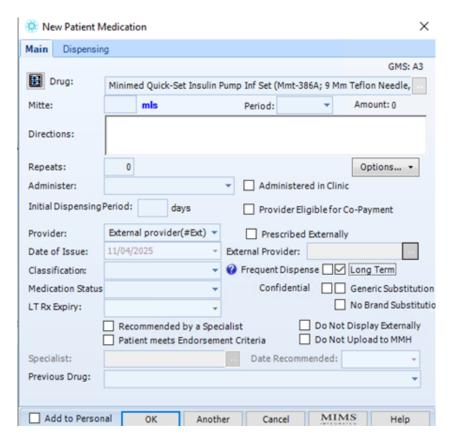


(iii) Medtronic MiniMed 770G consumables

All pump consumables can be searched and located by brand name '*MiniMed*'. Whaanau will need 'reservoirs' and 'infusion sets' prescribed as separate prescription items.



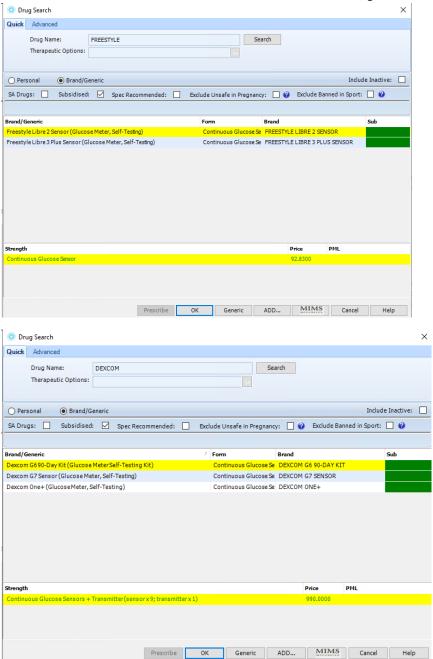
Infusion sets come with various tube lengths. Whaanau often have a preferred length.



Continuous Glucose Monitoring Sensors

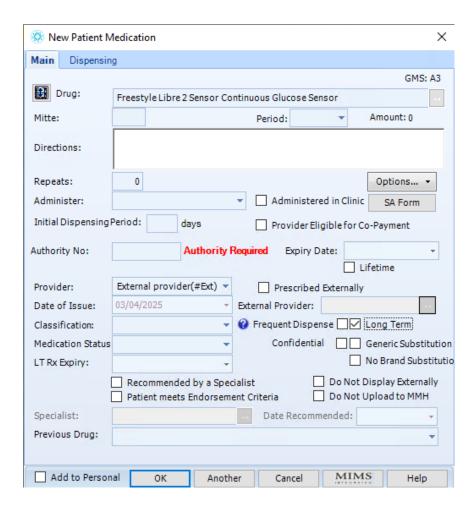
Search using either "Freestyle" or "Dexcom". If you try to search using "Continuous" nothing will come up.

Make sure the *subsidised* box is ticked and that it is on *brand/generic* not personal.

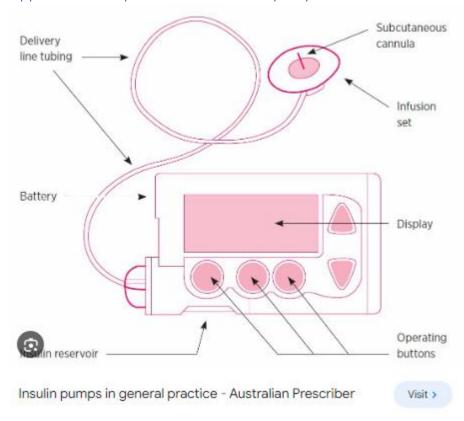


Ensure that the 'long-term medications' box is ticked

If you enter **Freestyle Libre 2 plus,** then untick the 'generic substitution' box and tick 'long-term medications'.



Appendix 1 Components of an insulin pump



T:Slim™ X2 consumables



Mylife™ Ypso insulin pump consumables



Medtronic[™] insulin pump components



Appendix 2

Accessing information about dispensed medication via Clinical Workstation (CWS)

- 1. Open Clinical Workstation
- 2. Access the patient file
- 3. Click on Midland rCP in menu on left of the screen



4. Invoke Access - click 'button' on right of the screen



5. Open NZePS tab to access prescribed and dispensed medications.



Information will be as follows and will also inform who prescribed the medications;

| Last Activity v Date | Prescribed Drug | Dispensed Drug | Dispensed Instructions | ÷ | Dispensed Quantity | Dispense Events | Item Status |
|-----------------------------------|---|--|---|---|-----------------------|--------------------|------------------------|
| 19/09/2023 | Humalog - insulin lispro 100 international units/mL injection, 3 mL cartridge | HUMALOG 100iu/ml 3ml Cartridges | Use as directed by your doctor. Rotate injection site (stomach, thigh, shoulder). Store unused insulin in the fridge; do not freeze. Discard 28 days after opening. | : | 36 Cartridges | 1 | Dispensing Complete |
| 19/09/2023 | KetoSens Blood Ketone - ketone indicator blood diagnostic test: strip | KETOSENS Strips | Test ketone levels if feeling unwell or if BGL are very high for multiple tests | | 20 Strips | 1 | Dispensing Complete |
| 19/09/2023 | Tandem t:slim X2 - insulin pump 300 international units cartridge | TANDEM T:SLIM 300iu cart Set | Use as directed | | 3 Set | 1 | Dispensing Complete |
| 19/09/2023 | TruSteel insulin pump infusion set - 6 mm straight steel cannula with 10 needles, 60 cm insulin delivery line x 10 | TRUSTEEL 6mm 60cm line Infusion set | Use as directed | | 3 Infusion_set | 1 | Dispensing Complete |

Clicking on the 'I' at the right of each entry will provide you with additional dispensing information in needed



Appendix 3:

Example of information that should be provided on Diabetes Service clinic letter

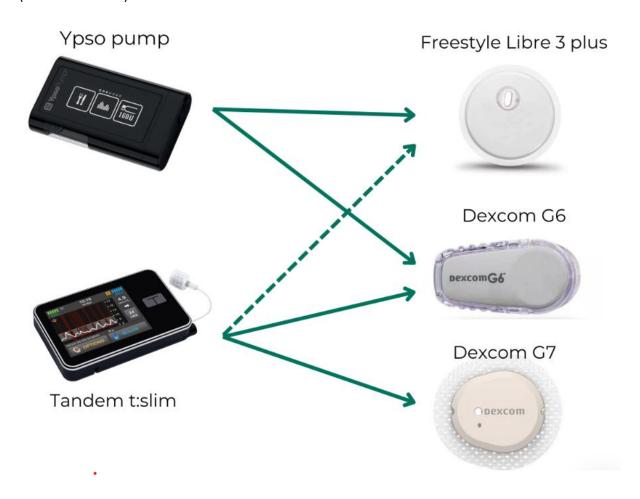
Relevant Medications/Equipment:

- 1. Novorapid up to 60 units/day via subcutaneous insulin pump including priming
- 2. Tandem T: Slim X2 Insulin Pump, warranty expiry February 2026
- 3. Tandem t:slim X2 Cartridge 300U CHEM/176364412/JAN24 Pcode 2556790
- Tandem t:slim X2 TruSteel infusion Set 6mm cannula/60cm line CHEM/176364412/JAN224 Pcode2556863
- 5. Caresens pro blood glucose strips, testing up to 8 times/day
- 6. Ketosens ketone strips provide 2 boxes
- BD 4mm insulin pen needles
- 8. Glucagon hypokit 1mg/ml for use with severe hypoglycaemia
- 9. Protaphane provide 2 vials as back up in case of pump failure

Note:

- Insulin pumps are only prescribed every 4 years but are on this list for your information only
- Special Authority numbers (a.k.a. CHEM numbers) for insulin pumps will be applied/re-applied for by the specialist diabetes service.
- Special Authorities numbers for insulin pump consumables will be made initially by the specialist diabetes service and have a lifetime expiry.
- Continuous blood glucose monitoring systems (Dexcom™ and Freestyle Libre™) may also appear on these lists and can now be prescribed. Special Authorities for these can be applied for by either primary or secondary care services and have a lifetime expiry.

Appendix 4:
Continuous Blood Glucose Monitoring Pump Compatibilities
(Source: Pharmac)



- Use together for an automated insulin delivery system from 1 October 2024
- --> Use together for an automated insulin delivery system by 1 July 2025

Appendix 5

Contact details for additional support

During working hours

| Adult Regional Diabetes Service | 07 859 9180 | |
|---------------------------------|--|--|
| Paediatric Diabetes Service | ce 07 839 8899 (ask for Paediatric Diabetes Clinical | |
| | Nurse Specialist) | |

Primary Health Organisations Diabetes Leads

| Suzanne 027 608 6978 | Charlotte 027 284 9917 | Kathy 027 642 5846 |
|---|------------------------------|----------------------------------|
| PHO Ribura Hancea Mathan of Hanaraki | National Hauora Coalition | Pinnacle Midlands Health Network |

Out of working hours support

| Tandem T:slim pump 24 hr technical support | 0508 634 103 Option 1 | |
|--|--|--|
| Medtronic pump 24 hr technical support | 0800 377 807 | |
| Mylife YpsoPump 24 hour technical support | 0800 458 267 | |
| (Pharmaco) | support@pharmacodiabetes.co.nz | |
| Mediray Freestyle Libre™ support | 0800 106 100 Option 2 | |
| 9am to 7pm 7 days each week | | |
| NZMS Dexcom [™] technical support | 0800 634 103 Option 1 and follow prompts | |
| Monday – Friday 9am -11pm | | |
| Saturday 11am -8pm | | |
| Adults On call Diabetes or Endocrinology | 07 839 8899 | |
| registrar | | |
| Paediatric On call registrar | 021 356 778 | |