What are the Barriers, Burdens & Benefits of Diabetes Technology & Therapeutics

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# If there's only one answer..... it's money

- For patients with Type 2 Diabetes / Month
- Metformin \$14 / 60 tabs; Gliclazide \$17.30 / 100 tabs
  - Glucose test strips \$38.30 for 100
- Insulin Glargine \$181 for 5 x 300U pens
  - Flash Glucose sensor \$185
- Fast Insulin Aspart \$124 x 5 1000U vials
  - MiniMed 670G consumables \$270



### But what about subsidies?

- Dept of Health spending (2015/16)
- Total Diabetes: >\$2.1b
  - \$100m on T1DM pharmaceuticals
  - \$310m on T2DM pharmaceuticals
- Private Health Insurance coverage inconsistent
- Access depends on eligibility, clinical need, age, endorsement







# When a GP isn't enough

his form allows access to additional subsidised blood glucose tes	strips after the initial six month period provided by the Scheme.	Certifier
Cour details  Given name(s)  Pamily name  Date of birth  Day Scarch Years of the Could done or cases section must use be completed.  Medicare card (preferred) or DVA file number  NDSS card number (Optional)  By signing here, you are confirming that the information you have provided on this form is true	Guardian or carer  If the person named in 01 & 02 is under 15 years old, or is an adult receiving ongoing care, this section must be completed by a primary guardian or carer.  7 Given name(s)  8 Family name  9 By signing here, you are confirming that:  • you are a primary guardian or carer for the person named in 01 and 02; and  • the information you and the person named in Q1 & Q2 have provided is true and complete; and  • both you and the person named in Q1 & Q2 agree to the collection, use and disclosure of your information for the purposes set out in this form.  Signed Dated	Only to be completed by a registered medical practitioner, nurse practitioner, or credentialled diabetes educator (CDE).  10 Main reason for extension (Choose one only): Inter-current illness
and complete, and that you agree to the collection, use and disclosure of your information for the purposes set out in this form.  Signed Dated  Parted  Need help with this form?  Call 1300 136 \$88 or visit ndss.com.au  Type Speak and Listen: 1300 555 727  Translation: 131 450 Internet Relay: nitemet-relay nnocall gov au	Lodge this form in person at your local NDSS access point  Your information a protected by Commonwealth laws rectabling the Privacy Act 1995 Debelos Australia and our Agents are committed to protecting your	

ertifier	22 is the person with type 5 diabetes currently using a CGM device	
be completed by an authorised health professional o specialises in diabetes, as listed below	Yes - they will continue to use their current CGM device and can access CGM products through NDSS Access	
Which are you? Endocrinologist Disbatologist	Points without requiring a starter lot. Which COM device is the person using?	
Credentialise Diabetes Educator	Go to 25	
Other registered health professional who specialises in disbetes, please tick:	Yes – but will commence using a different CGM device and will require a new starter kit, a starter kit will be sent to the health professional listed at 24.	
Physician □ Norse Practitioner □ ▶ Go to 21	☐ F Go to 23	
None of the above	No - for new CGM users, a starter kit will be sent to the health professional listed at 24.	
Eligibility Criteria* s person musts ALL of the following criteria:	□ P Go to 23	
the person is expected to benefit clinically from the use of CGM; AND	23 The choice of device to be used remains a decision of the health professional in consultation with the person/family/carer, noting that not all CGM	
the person or ferely/carer has the willingness and capability to use CGM; AND	products are indicated for use in all conditions or all age groups. Please view devices at	
the person or family/carer has the commitment to actively perficipate in a diabetes management plan	www.ndss.com.au/cgm. Which device will the person be using? Deccom G4 Platinum	
which incorporates CGM;	Deccom G5 Woble	
AND	Meditonic Guardian Connect	
	Meditoric MiniLink Meditoric Guardian 2 Link	
the person has experienced one or more	Meditoric Guardian Z Link Meditoric Guardian Comed (3)	
episodes of hypoglycaemia within the last 12 months, with significant cognitive impairment requiring thro-party assistance for recovery, AND	Meditoric Guardian Link (3)	
	24 Contact details for the health professional receiving the starter kit.	
you have taken responsible steps to confirm details of ambulance attendence or hospitalisation.	The same of the sa	
mbulance Attendance Details	Tank Tank	
Inquiance Attempance Details	This could	
	Author Fo 1	
	FEERILAS I	
ospital Altendance Details	200 200 500	
odenne stavenske sta	Paritina	
Name of Bridging	25 Certifier details	
45/41/2011/2011/2011/2011/2011/2011/2011/2		
Hospital or Ambutance assestance for a hypoglycaemic event has not occurred in the last 12 months	Commence of the commence of th	
The person is not objilite. Do not continue with this form?	los de la constantina della co	
	Laurence .	
AND	Andrew Kin 1	
	Triang Steel Committee	
that a health professional has assessed the person as having a demonstrated imperied awareness of hypoglycaemia using a Clarke score	The same	
(ndsa.com.au/cgm) with a some of:	26 by signing tiers, you are conting that	
4 or above 9 Go to 22	<ul> <li>you have assessed the person named in Cri &amp; Q5 and confirm that they have met all retreats eligibility criteria.</li> </ul>	
1-3 The person is next eligible, do not continue with this fame?	as indicated by your assesse; and	
	<ul> <li>you are aware that not all COM products are indicated for upo in all conditions or all age groups, and have considered available attrice about the relected device including the relevant ARTS</li> </ul>	
he person does not need the specific clinical criteria but you	Setting and any specific condition comments 17 answersayon.	
News the person has an equivalent level of high risk / high	the device information at viewendos consucting and you have obtained informed consent from the person tankly soner for the opecific device choses for use.	
nical need", consideration may be given on a case by case basis.		
sale contact the NDSS Helpline on 1300 136 550 for more	- Contract C	

### Except.... You aren't just diabetes

#### DIABETES CLINIC HOLISTIC CARE

- HbA1c monitoring
- Medication choices & dosages
- Expert information & Education
- Dietitian advice
- Foot / Eye / Renal screening
- Psychological support
- CV risk assessment

#### GENERAL PRACTICE HOLISTIC CARE

- Diabetes management
- Lifestyle modification
- BP, lipids, aspirin, puffers, cOCP
- Cancer screening & management
- Back, knee & shoulder pain
- Infections & immunisations
- Consolidating Specialist opinions

## And you aren't just data



- HbA1c, weight, BGLs, BP, Lipids, etc
- CGMS / Pump downloads VERY useful for optimising care
- Seldom tell the whole story
- Dependent on uploads
- Can exclude GP from decision making, increasing error risk
- Individuals don't fit into algorithms

### But benefits too great to ignore

- Patient experiences of hypoglycaemia frequency and selfcontrol
- Clinical parameters of HbA1c, time in range, lower average BGL
- Ideal for Telehealth models of care
- Shared decision making for:
  - Patient & primary Diabetes professional
  - GP & Endocrinologist





### So overall...

- Cost certainly most discriminatory and significant barrier to access
- Dependence on specialist centres not equitable
- Burdens of ongoing consumables and data volume
- Risks of fragmenting care and potential medication errors
- Benefits of shared care, better self-management and quality of life all worthwhile