# HSE - Medicines Management Programme (MMP) and the Preferred Blood Glucose Test Strips Initiative

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15<sup>th</sup> April 2023

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www.hse.ie/yourmedicines

@MedMgmtProg







### The Medicines Management Programme (MMP)

The Medicines Management Programme (MMP) was established in January 2013

# **Aim - Sustained National Leadership relating to:**

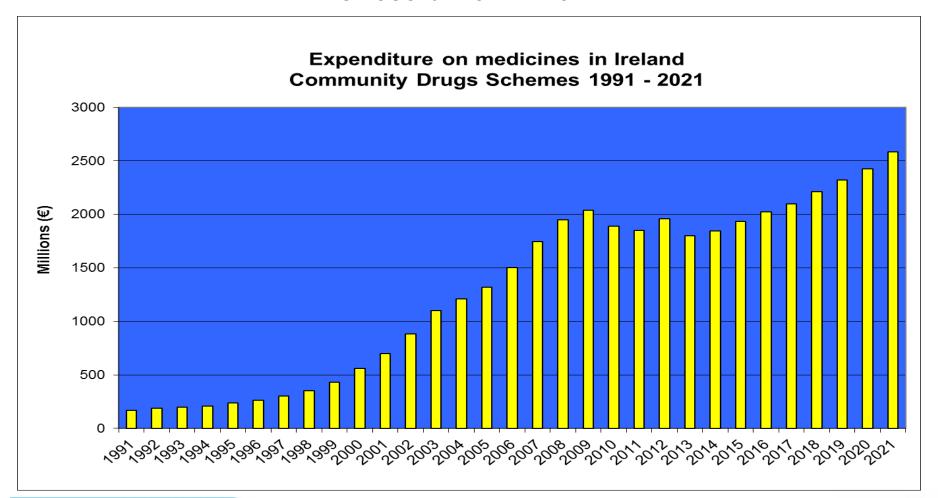
- ✓ Safe
- ✓ Effective
- ✓ Cost-effective prescribing







# Expenditure under the Community Drugs Schemes was approx. €2.585 billion in 2021









## Areas of interest to the HSE-MMP

- The most frequently prescribed medicines
- The most expensive medicines
- Biosimilars
- Generic prescribing (safety & cost effectiveness)
- Preferred Drugs
- Inhaled medications
- DOACs
- Health Technology management (Lidocaine 5% medicated plaster Versatis®, Sacubitril + valsartan Entresto®, Rivaroxaban 2.5 mg Xarelto®, Liraglutide Saxenda®)
- Oral nutritional supplements (ONS)
- Antibiotic prescribing
- Benzodiazepine prescribing
- Reference pricing
- Appropriate prescribing of opioids in chronic non-cancer pain











# HSE - Medicines Management Programme (MMP) Preferred Drugs



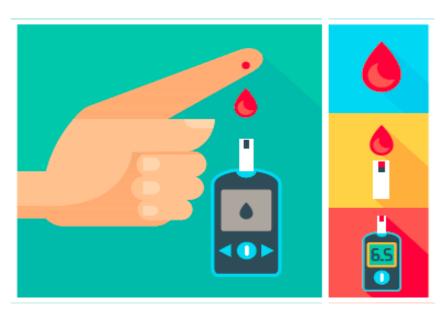
MEDICINES MANAGEMENT PROGRAMM

		MEDICINES MANAGEMENT PROGRAMM
Angiotensin-Conve	erting Enzyme (ACE) Inhibitor	Ramipril
Angiotensin-II Rec	eptor Blocker (ARB)	Candesartan
Beta Blocker		Bisoprolol
Calcium Channel E	Blocker (CCB)	Amlodipine
Oral Anticoagulant		Warfarin
Direct Oral Anticoa	agulant (DOAC)	Apixaban
Proton Pump Inhib	oitor (PPI)	Pantoprazole(New 2019)
Serotonin Noradre	naline Reuptake Inhibitor (SNRI)	Venlafaxine
Selective Serotonii	n Reuptake Inhibitor (SSRI)	Sertraline (New 2021)
Statin		Atorvastatin (New 2020)
Urology (Urinary incor	ntinence, frequency and overactive bladder)	Tolterodine ER*

\*ER = Extended Release

# Guide to Blood Glucose (Sugar) Testing

**Type 2 Diabetes** 









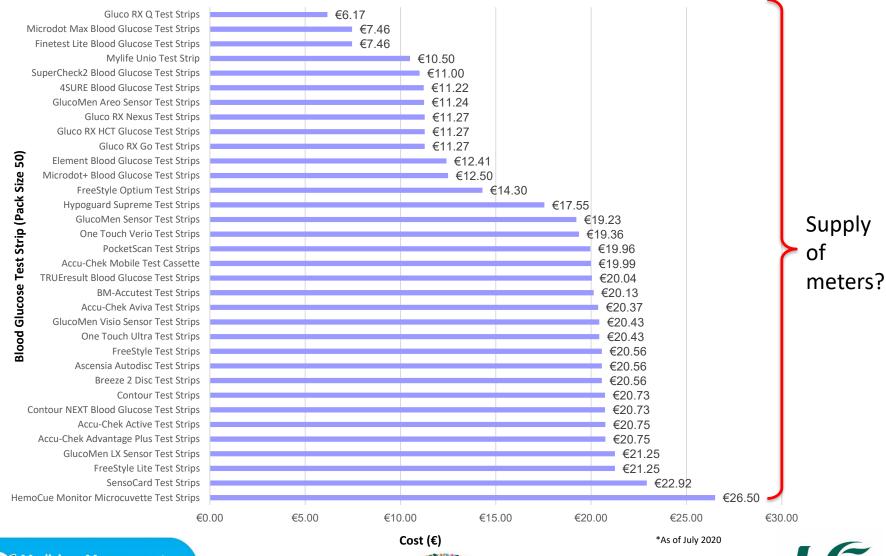
National Clinical Programme for Diabetes







#### BGTS on the reimbursement list\*









# Preferred blood glucose test strips (BGTS)

- The aim of the initiative was to identify preferred BGTS with associated meter(s) for adult patients with type 1 and type 2 diabetes mellitus who undertake self-monitoring of blood glucose.
- Support safe, effective and cost-effective prescribing.







## **Process undertaken**

Roadmap for the identification of preferred blood glucose test strips with associated meter(s)

Consultation on the evaluation process for the identification of preferred blood glucose test strips with associated meter(s)

Preferred blood glucose test strips list with associated meter(s)-February 2021

> Updated preferred blood glucose test strips list with associated meter(s)-December 2021 & February 2023







# Criteria evaluated

- 1. Acquisition cost of the test strips (reimbursed price)
- 2. Shelf-life of the test strips
- 3. Availability of patient support services by the supplier
- 4. Availability of education resources to healthcare professionals by the supplier
- 5. Robustness of supply of test strips to the Irish Market
- 6. Associated meter(s)
- 7. Patient factors
- 8. Acquisition cost of associated lancets
- 9. Any other relevant factors







## **Preferred BGTS**

#### **Preferred BGTS List**

- Satisfy the criteria in the Roadmap
- A range of different suppliers to mitigate against supply risks
- A range of test strips & associated meters to cater for varying requirements of technology, Apps, smart device compatibility
- A range of meter size options and memory availability
- Meters to cater for patients with visual and manual dexterity impairment
- Meters for use with insulin pumps
- Meters for use with ketone strips

#### **Non-Preferred BGTS**

- Do not meet all the criteria as set out in roadmap
- Were not submitted for inclusion in the process so could not be assessed
- Strips (and/or meters) no longer supplied to the Irish Market







# **Preferred BGTS**

Preferred BGTS						
Reimbursement Code	BGTS*	Reimbursement price (as of 1st February 2023) (50)				
85131	Finetest Lite blood glucose test strips	€6.95				
97637	Microdot Max blood glucose test strips	€7.46				
85132	Accu-Chek Instant test strips	€8.54				
85110	Glucomen Areo Sensor test strips	€8.63				
97630	Mylife Aveo test strips	€8.75				
97607	Mylife Unio test strips	€10.50				
94170	4Sure blood glucose test strips	€11.22				
85120	GlucoRx Nexus test strips	€11.27				
85139	GlucoRx HCT glucose test strips	€11.27				
15963	Contour Next blood glucose test strips	€14.30				
68321	One Touch Verio test strips	€14.30				
10051	Freestyle Optium test strips	€14.30				

Accu-Chek Mobile test cassette (Code: 85543, Price: €11.81) is now considered a list A product for existing users only.

Medicines Management Programme

Preferred blood glucose test strips with associated meter(s)

Evaluation report

Evaluation report

Preferred Drugs
De Lord Caston Sold How
MEDICINES MANAGEMENT PROGRAMME

Approved by Prof. Michael Barry, Clinical Lead, Medicines Management Programme (MMP). Under approved February 2023
Previous versions | Version 2 (December 2021)







#### Preferred Blood Glucose Test Strips (BGTS) for adults with type 1 and type 2 diabetes



#### The MMP recommends a preferred BGTS (List A) with an associated meter for:

- ✓ People who are newly diagnosed with diabetes (type 1 and type 2) and require self monitoring of blood glucose (SMBG).
- ✓ People with diabetes (type 2) where continued SMBG is recommended on review.
- ✓ People with diabetes (type 1 and type 2) changing their current meter where SMBG is recommended.

Prescribers should give due consideration to the use of preferred BGTS when commencing SMBG and when changing a meter in established patients.

#### Implementation of the preferred BGTS will lead to significant savings for the HSE, in the order of millions of euros.

Preferre						
BGTS	Reim	bursement	Associated meters			
	Code	Price (as of 1st February 2023)				
Finetest Lite blood glucose test strips	85131	€6.95	Finetest Lite Finetest Lite Smart			
Microdot Max blood glucose test strips	97637	€7.46	Microdot Max			
Accu-Chek Instant test strips	85132	€8.54	Accu-Chek Instant			
Glucomen Areo Sensor test strips	85110	€8.63	Glucomen Areo Glucomen Areo 2K*			
Mylife Aveo test strips	97630	€8.75	Mylife Aveo**			
Mylife Unio test strips	97607	€10.50	Mylife Unio Neva**			
4Sure blood glucose test strips	94170	€11.22	4Sure SMART 4Sure SMART DUO*			
GlucoRx Nexus test strips	85120	€11.27	GlucoRx Nexus† GlucoRx Nexus Blue GlucoRx Nexus Mini Ultra GlucoRx Nexus Voice <sup>a</sup>			
GlucoRx HCT glucose test strips	85139	€11.27	GlucoRx HCT* GlucoRx HCT Connecti*			
Contour Next blood glucose test strips	15963	€14.30	Contour Next One Contour Next Contour Next Link 2.4**			
One Touch Verio test strips	68321	€14.30	One Touch Verio Reflect			
Freestyle Optium test strips	10051	€14.30	Freestyle Optium Neo*			

Accu-Chek Mobile test cassette (Code: 85543, Price: €11.81) is now considered a list A product for existing users only.

All featured BGTS come in packs of 50 strips (some as 2x25 strips) \* Compatible with blood ketone testing \*\* Compatible with insulin pumps "Talking' capability
This list is not exhaustive and represents information submitted to the MMP by suppliers. Refer to individual suppliers for further information. Prices listed (for preferred BGTS, blood ketone test strips) are correct as of 1"February 2023. \*Also available: GlucoRx GO (recommended for use by healthcare professionals, therefore not included overleaf)

#### **Practice Point**

As part of diabetes care, the meter in use by patients should be reviewed regularly. If a meter has not been replaced in the previous 2 years, change to a preferred BGTS (List A) with associated meter.

Meters should be registered with the company at the time of initiation of use.

#### **Lancet Recommendation**

The use of a universal lancing device with lancets costing ≤€6 per 200 for all patients undertaking SMBG is recommended.

Note: GlucoRx lancets pack of 200 (97602) include a lancing device.

* Compatible blood ketone test strips				
Code	Blood ketone test strip (10)	Price		
97605	4Sure B-ketone strips	€11.22		
85140	Glucomen Areo B-ketone sensors	€11.24		
97601	GlucoRx HCT ketone strips	€11.27		
85106	Freestyle Optium B-ketone strips	€22.83		

#### \*\* Insulin pumps

There are BGTS with associated meters available on List A that have compatibility with insulin pumps (see overleaf).

Full evaluation report is available at: www.hse.ie/yourmedicines See overleaf for further information.

MMP Version 3 February 2023







			Pref	erred BGTS	(List A) with associat	ed meters				Preferred Drugs	
Finetest Lite blood glucose test strips Microdot Max blood glucose test (85131) €6.95 strips (97637) €7.46			hek Instant test strips 85132) €8.54	Glucomen Areo Sensor test strips (85110) €8.63			Mylife Aveo test strips (97630) €8.75				
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TO ORDER FREE METERS Phone: 1800 932 297 or Email: info@neondiagnostics.ie Patient supports: www.neondiagnostics.ie  Cambridge Sensors Ltd. TO ORDER FREE METERS Phone: 1800 211 896 or Email: sales@microdot.biz Patient supports: www.microdot.biz		Roche Diabetes Care Ltd.  TO ORDER FREE METERS Phone: 1800 931 078 or Email: Burgesshill.dcaccountmanagers@roche.com Patient supports: www.accu-chek.ie		Medicon Ireland Ltd. TO ORDER FREE METERS Phone: 1800 709 903 or Email: customerservice@mediconire.com Patient supports: www.mediconire.com		or TO OR	Ypsomed Ltd. TO ORDER FREE METERS Phone: 1800 911 522 or Email: info@ypsomed.co.uk Patient supports: www.mylife- diabetescare.com				
Finetest Lite Finetest Lit	e Smart	Microdot Max		Accu-Chek Inst	tant	Glucomen Areo	Glucomen Areo 2K	Mylife	Aveo		
Meter memory: 500 App: No App: No Meter memory is 6.9 App: Yes, connectivity via BT	y:	Meter memory: 500 App: Yes, connectivity via BT	Yes, connectivity App: Yes, connectivity via BT		memory: 730 App: Yes, connectivity via NFC	Meter memory: 730 App: Yes, connectivity via NFC Compatible with: Glucomen Areo 3-ketone sensors (85140) €11.24	b: Yes, connectivity NFC npatible with: comen Areo stone sensors  Total  App: Yes, connectivity via BT  Contact supplier for a list of				
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MyLife Unio Neva		4Sure SMART	4Sure SMA	RT DUO	GlucoRx HCT	GlucoRx HCT Connecti	GlucoRx Nexus	GlucoRx Nexus Blue	GlucoRx Nexus Mini Ultra	GlucoRx Nexus Voice	
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Accu-Chek Mobile test cassette (Code: 8	5543, €11.81)	Contour No	ext blood gluc	ose test strips (15	963) €14.30	One Touch Verio test strips (68321) €14.30			Freestyle Optium test strips (10051) €14.30		
Now considered a list A product for e only.	xisting users	Blood volume (µL): 0.6 Open pack expiry: up to 24 month Haematocrit (%): 0-70 Test range (mmol/L): 0.6-33.3		s (expiry not affected by opening)	0.4 Test range (mmol/L): 1.1-33.3 (gluco Haematocrit (%): Haem		(glucose), 1.5 (ket	od volume (µL): 0.6 Cose), 1.5 (ketone) (individual foil packet) (matoriti (\$4): 30-60 Test range (mmol/L): 1.1-27.8 (glucose), 0.0-8.0 (ketone)			
Blood volume (µL): 0.3 (approximately) Haematocrit (%): 25-55 Open pack expiry: 3 months (after opening) Test range (mmol/L): 0.6-33.3		Ascensia Diabetes Care Ireland Ltd.  TO ORDER FREE METERS Phone: 1800 920 111 or Email: diabetessupporte  Patient supports: www.diabetes.ascensia.ie			abetessupport@ascensia.com			TO ORDER F Email: adch	Abbott Laboratories Ltd.  FO ORDER FREE METERS Phone: 1800 77 66 33 or  Email: adchelpuk@abbott.com Patient supports:  www.freestylediabetes.ie		
Blue: Compatible with ketone testing		Contour Next One Contour Next Contour Next Link			tour Next Link 2.4	One Touch Verio Reflect Free			estyle Optium Neo		
Pink: 'Talking' capability  Orange: Compatible with insulin Pumps  Wireless connectivity: BT: Bluetooth®; NFC: Ne	ar field	Meter memory: 800 App: Yes,	memory: 552 1000 App: No App: Yes,			App: Yes, connectivity via BT 5.8 App: Comp		App: No Compatible with:	ter memory: 1000 :: No patible with: Freestyle Optium etone strips (85106) €22.83		
communication  This list is a guide only and is not exhaus suitable meter for individuals. Images ar	tive. It is based o			ppliers, including						Version 3 ary 2023	







# **Preferred BGTS**

- The MMP recommends the use of a preferred BGTS
  - ☐ When commencing self-monitoring of blood glucose
  - □ When changing BGTS in people who are not currently using a preferred product.
- Choose a meter that best suits the individual's needs e.g. consider visual impairment, dexterity, technology needs.







# **Summary**

- A reduction in expenditure on BGTS has been achieved:
  - □ Substantial proportion of this reduction was generated from the price reductions attained for some of the preferred BGTS.
  - □ A reduction in expenditure has also been achieved by increased utilisation of the preferred BGTS list in preference to the non-preferred BGTS list.
- There is further potential for a reduction in expenditure on BGTS by a sustained reduction in the use of the non-preferred BGTS list, in addition to using lower cost lancets.
- Review of BGTS utilisation to ensure savings are achieved.
- Continue to update the preferred list.







# Diabetes mellitus utilisation & expenditure on the LTI Scheme

Year	Total expenditure	Number of people
2019	€205.99 million	143,224
2020	€223.46 million	147,452
2021	€232.90 million	151,402







	Pre	ferred BGTS	(List A) with associat	ed meters				Preferred Drug	
Finetest Lite blood glucose test strips Microdot Max blood glucose test (85131) €6.95 strips (97637) €7.46			nek Instant test strips 85132) €8.54	Glucomen Areo Sensor test strips (85110) €8.63			Mylife Aveo test strips (97630) €8.75		
ood volume (µL): Open pack expiry: 6 months (2x25 5 pack)  Sematocrit (%): Test range (mmol/L): 1.1-33.3  1-65	Blood volume Open pack expiry: (µL): 0.5 6 months Haematocrit (%): Test range (mmol/L): 0-70 0.6-33.3	Open pack expiry: up to 21 months (expiry not affected by opening) Test range (mmol/L): 0.6-33.3	Blood volume (µL): 0.5 (glucose), 0.8 (ketone) Test range (mmol/L): 1.1-33.3 (glucose), 2.0-60 (ketone) (glucose), 0.1-8.0 (ketone)			Blood volume (µL): Open pack expiry: 12 months 0.5 (expiry not affected by opening) 15-70 Test range (mmol/L): 0.6-33.3			
Neon Diagnostics Ltd.  TO ORDER FREE METERS Phone: 1800 932 297 or Email: info@neondiagnostics.ie Patient supports: www.neondiagnostics.ie	FREE METERS Phone: 1800 932 297 or mail: info@neondiagnostics.ie TO ORDER FREE METERS Phone: 1800 211 896 or Email: sales@microdot.biz		Roche Diabetes Care Ltd.  TO ORDER FREE METERS Phone: 1800 931 078 or Email: Burgesshill.dcaccountmanagers@roche.com Patient supports: www.accu-chek.ie		Medicon Ireland Ltd. TO ORDER FREE METERS Phone: 1800 709 903 or Email: customerservice@mediconire.com Patient supports: www.mediconire.com		Ypsomed Ltd. TO ORDER FREE METERS Phone: 1800 911 522 or Email: info@ypsomed.co.uk Patient supports: www.mylife- diabetescare.com		
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Mylife Unio test strips (97607) €10.50	4Sure blood glucose test strips (941	70) €11.22	GlucoRx HCT glucose te	st strips (85139) €11.27	G	lucoRx Nexus test	strips (85120) €11.2	7	
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eter memory:  00  pp; Yes, nnectivity via BT  nr o list of compotible insulin pumps	Meter memory: 1000 App: Yes, connectivity via BT  Compatible 4sure B-keto (97605) €11.	with:	Meter memory: 1000 App: No Special Compatible with: GlucoRx HC	Memory: Unlimited (with App) App: Yes Note: consult supplier for compatible devices T ketone strips (97601) €11.27	Meter memory: 1000 App: No	Meter memory: 1000 S5 App: Yes, connectivity via BT	Meter memory: 1000 App: Yes, connectivity via dongle	Meter memory: 450 App: No	
Accu-Chek Mobile test cassette (Code: 85543, €11.81)	Contour Next blood glu	cose test strips (15	963) €14.30	One Touch Verio test strips (68321) €14.30			Freestyle Optium test strips (10051) €14.30		
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ue: Compatible with ketone testing	Contour Next One Contour Next Contour Next Link 2.4			One Touch Verio Reflect Free		Freestyle Optio	eestyle Optium Neo		
nk: 'Talking' capability	Meter memory: Meter		r memory:	Meter memory: 750	C COLORS	Meter memory: 10	00		
range: Compatible with insulin Pumps	App: 52% Soo App: Yes.	52 1000 App: 1		App: Yes, connectivity via BT	5.8	App: No Compatible with: F		58	
ireless connectivity: BT: Bluetooth®; NFC: Near field		e: Yes, Contact supplier for a list of compatible insulin pumps  B-ketone strips (85106) €22.83							





