





Protocol for initiating FreeStyle Libre® 2 for glucose monitoring in ADULTS

FreeStyle Libre 2® is a flash glucose monitoring (Flash GM) system which monitors glucose levels using interstitial fluid levels rather than capillary blood glucose from finger prick testing. Interstitial glucose levels are not quite the same as blood glucose levels, glucose levels in the blood rise and fall ahead of glucose levels in the interstitial fluid.

FreeStyle Libre 2® was launched in November 2020. Freestyle Libre 2® has the added benefit of 3 optional real-time alarms (low glucose alarm, high glucose alarm, signal loss alarm).¹ All new patients will be initiated on FreeStyle Libre 2® and existing patients will be transferred to FreeStyle Libre 2® by the specialist team (FreeStyle Libre® has been discontinued and is no longer available to prescribe).¹,6

FreeStyle Libre 2® sensors are not interchangeable with FreeStyle Libre® sensors and require a different reader or the FreeStyle LibreLink app to scan and receive the results. The patient can order a replacement reader via the FreeStyle Libre website:

FreeStyleLibre.co.uk/replacement.² (FreeStyle Libre 2® sensors can be used with the original reader, but there will be no alarm function, and therefore it is recommended to obtain the FreeStyle Libre 2® reader or use the FreeStyle LibreLink app as soon as possible)

With FreeStyle Libre 2® patients choose which device they want to receive alarms on: FreeStyle Libre 2® reader or FreeStyle LibreLink app. They must start their FreeStyle Libre 2® sensor with that selected device. Once the patient scans their FreeStyle Libre 2® sensor with that device, they can receive alarms only on that device.

Use of FreeStyle Libre 2® should reduce the frequency of finger prick monitoring to measure blood glucose levels¹. Because of the accuracy of the FreeStyle Libre 2® system, there is no need to use finger-prick testing when glucose is low, falling or rapidly changing.¹ However, blood glucose levels should still be taken to meet DVLA³ requirements or if scanned glucose readings and alarms do not match symptoms or expectations.¹ In line with DVLA requirements³, Flash glucose monitoring may be used for Group 1 drivers at times relevant to driving providing a finger-prick test is used to confirm readings:

- When glucose levels are 4.0 mmol/litre or below;
- When symptoms of hyperglycaemia are being experienced; or
- When FreeStyle Libre 2® gives a reading which is inconsistent with the symptoms being experienced.

FreeStyle Libre 2® (and any other form of interstitial glucose monitoring) is not permitted for Group 2 drivers who must continue to follow the DVLA guidelines on capillary finger-prick testing to maintain their licenses. Group 2 drivers may still benefit from FreeStyle Libre 2® but will need to use capillary monitoring even on days where they are not planning to drive,3

Adjunct blood testing strips should be prescribed according to locally agreed best value guidelines with an expectation that demand/frequency of supply will be reduced.⁴

In Barnsley, the following principles have been used to guide the initiation and supply of FreeStyle Libre 2®:

- FreeStyle Libre 2® can only be initiated in the following adult patients ^{4,5,7,9}
 - Any patients with Type 1 diabetes, (for children see separate guidance);
 - Patients with any form of diabetes receiving haemodialysis and requiring insulin therapy;
 - o Patients with diabetes associated with cystic fibrosis requiring insulin therapy;
 - Patients with Type 1 diabetes or insulin treated Type 2 diabetes who are living with a learning disability and recorded on their GP Learning Disability register.⁵
 - Patients with Type 1 diabetes or insulin treated Type 2 diabetes who have a condition or disability (including cognitive impairment) which means that they cannot self-monitor blood glucose using capillary testing but could use FreeStyle Libre 2® or have it scanned for them.⁴
 - Patients with Type 2 Diabetes on multiple daily insulin injections who have one of the following⁴:

		Recurrent or severe hypoglyacaemia;
		Severe hypoglycaemia is defined as an episode of hypoglycaemia which requires assistance from another person to treat. ⁴
		Recurrent hypoglycaemia is defined as frequent hypoglycaemic events, occurring each week or month, which have an impact on quality of life. ⁴
		Impaired hypoglyaceamic awareness; or where,
		They would otherwise be advised to self-monitor at least eight times a day.
0	Pa	atients with Type 2 Diabetes treated by insulin single or multiple daily dose

regimens) who would otherwise need help from a care or health professional to monitor their glucose.⁴

- FreeStyle Libre 2® can only be initiated by the diabetes specialist team.
- The diabetes specialist team will initiate and provide a supply for the first 3 months of use. During the first 3 months of use, regular review is essential to ensure patients are engaged with the use of the device. Anecdotal reports suggest that a number of patients are unable to use the device for a variety of reasons. Where flash glucose monitoring is unsuitable despite education and support, patients must be offered either capillary glucose monitoring or, where applicable, real-time continuous glucose monitoring.⁴
- The diabetes specialist team will monitor the agreed outcomes as specified in the monitoring of outcomes section below.
- Transfer of prescribing to primary care will only occur if:
 - The patient selection is appropriate.
 - The patient is engaged with training on the device and is committed to regular follow ups and ongoing monitoring.
 - o An improvement in the required outcomes has been achieved.

Roles and Responsibilities

Specialist Responsibilities

- Patient is assessed and is deemed to be suitable for initiation of FreeStyle Libre 2®.
- Patient/patient's carer is educated on the use of FreeStyle Libre 2® and is provided
 with the monitoring device and an initial supply of sensors. The specialist team will
 counsel the patient on safe disposal of sensors. Sensors must be disposed of in a
 sharps bin (it is recommended that a large sharps bin e.g., 5 litre is used as the
 sensors do not fit through the opening of the 1 litre sharps bin).
- Patient is reviewed by the diabetes specialist team at one month and 3 months of use
 and is assessed on their use of FreeStyle Libre 2®. The FreeStyle Libre 2® sensors
 must be supplied by the specialist team for at least the first 3 months of use pending
 further review (one month supply on first initiation, followed by two-month supply). This
 will be followed by a review with the specialist team at 3 months.
- If improved outcomes have been achieved, GPs will be approached at a minimum of 3 months to take on prescribing. The proforma in **Appendix A** must be completed.
- If a patient does not meet the outcomes, then the specialist will stop the FreeStyle Libre
 2® device and will notify the GP of this using the proforma in Appendix B
- The patient will be reviewed regularly by the specialist team. The time between each review will depend on the patient but at a minimum will be reviewed once a year.
- The specialist team will counsel the patient on circumstances where capillary blood glucose monitoring is required in addition to Flash Glucose monitoring and will clarify that capillary monitoring is not routinely required except in these circumstances.
- Transfer of patient from FreeStyle Libre® to FreeStyle Libre 2®: the specialist will send the proforma in Appendix C to the patient's GP to request that the patient is transferred to FreeStyle Libre 2®. Patient/patient's carer is educated by the specialist team (either by telephone, online or in person) on the use of FreeStyle Libre 2® and the requirement to order a new reader or use the FreeStyle LibreLink app. The specialist will also advise the patient to use up current stock of FreeStyle Libre® sensors where appropriate before starting to use FreeStyle Libre 2®. Providing the patient has been using FreeStyle Libre® for at least 3 months, the GP will be responsible for prescribing the FreeStyle Libre 2® sensors. From January 2023, all patients should be transferred promptly to FreeStyle Libre 2® as FreeStyle Libre® sensors are no longer available.⁶

GP/Clinical Pharmacist Responsibilities

- Patient has been assessed by the specialist team and is deemed to be suitable for initiation of FreeStyle Libre 2®.
- Patient has been using FreeStyle Libre 2® for a minimum of three months and it has been shown to improve the patient outcomes.
- Specialist has written to the GP using the proforma in **Appendix A** detailing the reasons why FreeStyle Libre 2® has been initiated and the improvement in outcomes that has been achieved.
- GP/Clinical Pharmacist to continue prescribing FreeStyle Libre 2® sensors in primary care.
- Type 1 diabetes patients will be reviewed by the specialist team at least annually. Type
 2 diabetes patients may be discharged from the diabetes service before this time and
 will require an annual review by the practice.
- GP to prescribe replacement sharps bins for the disposal of sensors, as required (it is recommended that a large sharps bin e.g., 5 litre is used as the sensors do not fit through the opening of the 1 litre sharps bin) and to provide the patient with a list of Barnsley sharps bin disposal locations. The list of sharps bin disposal locations is available on the BEST website at the following link⁸
 https://best.barnsleyccg.nhs.uk/clinical-support/shared-care-guidelines/dmards-rheumatology-sharps-bin/16228
- Transfer of patient from FreeStyle Libre® to FreeStyle Libre 2®: GP/Clinical Pharmacist to prescribe FreeStyle Libre 2® sensors at the request of the specialist team (using the proforma in Appendix B), providing the patient has been educated on the use of FreeStyle Libre 2® by the specialist team and has been using FreeStyle Libre® for at least 3 months.

Patient Responsibilities

- Patient/patient's carer will undergo training on the use of FreeStyle Libre 2®
- Patient will commit to ongoing regular follow-up and monitoring with the specialist diabetes team and will be committed to using the FreeStyle Libre 2® device.
- FreeStyle Libre 2® will no longer be prescribed if an improvement in outcomes has not been achieved or the patient becomes disengaged with use of the device.
- Patient agrees to scan glucose levels at least 8 times a day and will use the sensor > 70% of the time.

Monitoring of Outcomes

Patients started on FreeStyle Libre 2® should be monitored regularly to assess whether the device is suitable for them, and to ensure that its use is leading to improved outcomes. The following outcomes should be monitored where applicable:

- o Reductions in severe/non-severe hypoglycaemia
- o Reversal of impaired awareness of hypoglycaemia
- o Episodes of diabetic ketoacidosis
- o Admissions to hospital
- o Changes in HbA1c (see criteria for stopping below)
- o Testing strip usage
- o For adults, Quality of Life changes using validated rating scales (See Appendix C).
- o Commitment to regular scans and their use in self-management.

Patient Selection: Adults

The following patient groups will be eligible for Flash Glucose monitoring 4,5,7,9

- Patients with Type 1 diabetes or with any form of diabetes on haemodialysis and on insulin treatment and clinically indicated as requiring intensive monitoring >8 times daily as demonstrated on a meter download/review over the past 3 months (applies to both patient groups).
- Patients with diabetes associated with cystic fibrosis requiring insulin therapy.
- Patients with Type 1 diabetes or insulin treated Type 2 diabetes who are living with a learning disability and recorded on their GP Learning Disability register.³
- Patients with Type 1 diabetes or insulin treated Type 2 diabetes who have a condition or disability (including cognitive impairment) which means that they cannot self-monitor blood glucose using capillary testing but could use FreeStyle Libre 2® or have it scanned for them.⁴
- Any patients with Type 1 including the following who meet the historical criteria⁵.
 - 1. Patients who undertake intensive monitoring >8 times daily as demonstrated on meter download or review over the past three months.
 - 2. Type 1 diabetes patients on basal bolus or pump therapy with sub optimal control i.e. HbA1c> 69mmol/mol (8.5%) but <85mmol/mol (>85mmol/mol is an indication that insulin is not being used regularly), DAFNE trained and engaging in self- management, i.e. testing on average 4 times a day for 3 months as evidenced by a meter download.
 - Planning pregnancy or pregnant (hypoglycaemia awareness is reduced in pregnancy).
 Flash Glucose Monitoring is suitable for 12 months in total including the post delivery period.
 - 4. Patients unable to routinely self-monitor due to disability who require carers to support glucose monitoring and insulin management.
 - 5. People with Type 1 Diabetes for whom the specialist diabetes MDT determines that they have occupational (e.g., working in insufficiently hygienic conditions to safely facilitate finger-prick testing) or psychosocial circumstances that warrant a 6 month trial of Freestyle Libre 2® with appropriate adjunct support.

- Disabling hypoglycaemia. NICE TA151 described disabling hypoglycaemia as the
 repeated and unpredictable occurrence of hypoglycaemia that results in persistent
 anxiety about recurrence and is associated with a significant adverse effect on quality of
 life.
- 7. Frequent admissions (>2 per year) with DKA or hypoglycaemia.
- 8. Patients already self-funding should meet the criteria above prior to first initiation. They must also be showing improvement in HBA1c since self-funding.
- 9. Rarities of spontaneous hypoglycaemia e.g., Insulin secreting tumour.
- 10. Any other type 1 diabetic who's control or lifestyle may improve with flash glucose monitoring.

For patients with Type 2 diabetes on multiple daily insulin injections, one or more of the following criteria must also be satisfied:

- 1. Recurrent or severe hypoglycaemia;
 - Severe hypoglycaemia is defined as an episode of hypoglycaemia which requires assistance from another person to treat.⁴
 - Recurrent hypoglycaemia is defined as frequent hypoglycaemic events, occurring each week or month, which have an impact on quality of life.⁴
- 2. Impaired hypoglyceamic awareness; or where
- 3. They would otherwise be advised to self-monitor at least eight times a day.
- 4. Patients with Type 2 Diabetes treated by insulin single or multiple daily dose regimens) who would otherwise need help from a care or health professional to monitor their glucose.⁴
- 5. FreeStyle Libre 2® could be considered for exercise in adults in the following circumstances:
 - For those competing or exercising regularly. It can be used to optimise carbohydrate
 and insulin adjustment before, during and after exercise to maximise the effect of
 exercise on improving diabetes control and ensure that sporting performance is
 optimised.
 - For those trying to lose weight but fearful of the hypoglycaemic effects of exercise.
 - For those who have had a severe episode of hypoglycaemia following sporting activity and cannot resume activity.
 - For those in whom there is concern regarding overcompensation with additional carbohydrate for activity.
 - Those involved in high endurance sporting activities where it is difficult to test blood sugar.
 - For those patients where exercise results in unpredictable hypoglycaemia.

Groups not suitable

- o For those with Type 1 diabetes and recurrent severe hypoglycaemia or impaired awareness of hypoglycaemia, NICE suggests that Real Time Continuous Glucose Monitoring with an alarm is the standard⁴. Other evidence-based alternatives with NICE guidance or NICE TA support are pump therapy, psychological support, structured education, islet transplantation and whole pancreas transplantation. However, if the person with diabetes and their clinician consider that a Flash Glucose Monitoring system would be more appropriate for the individual's specific situation, then this can be considered.⁵ Please note that FreeStyle Libre 2® has optional real-time alarms but cannot connect directly to insulin pumps to suspend insulin administration.
- o Individuals with HbA1c >85mmol/mol (indicating not giving insulin regularly each day).
- Pregnant women with gestational or type 2 diabetes (flash glucose monitoring is only suitable for pregnant women with Type 1 diabetes; for pregnant women with any other form of diabetes, real time continuous glucose monitoring is recommended)

Criteria for stopping

- Patients with a baseline HbA1c<70mmol/mol (8.6%) if a 5mmol/mol drop by 3 months is not achieved or a significant reduction in time spent in hypoglycaemia is not achieved. If reduction is not maintained at 6 months.
- Patients with a baseline HbA1c≥70mmol/mol (8.6%) if a 10mmol/mol drop by 3 months is not achieved. If reduction is not maintained at 6 months.
- For those previously self-funding, blood glucose levels not at target for the majority of time,
 HbA1c >58mmol/mol (7.5%), or >10% of reading under 4mmol/L
- Not up to date with the 9 care processes (see Appendix C)
- o Patient is not engaging with the specialist team on a regular basis.

Faulty sensors or readers

Patients who report that their reader is faulty or that their sensor has fallen off should contact Abbott Customer Care directly on 0800 170 1177. Faulty readers or detached sensors should be retained until the issue has been discussed with Abbott Customer Care. Patients do not need to contact their GP or specialist team in these circumstances unless their sensors detach regularly, in which case a clinical review may be appropriate. However, patients should use their supply of capillary blood glucose testing equipment until a new sensor/reader is applied/received.

References

- The FreeStyle Libre 2 system for healthcare professionals. Available at: https://freestylediabetes.co.uk/health-care-professionals/freestyle-libre/freestyle-libre-system
 Last accessed on 28/12/2023.
- 2. Freestyle Libre Order a replacement sensor, available online at https://www.freestylelibre.co.uk/libre/fsl2Replacement.html. Last accessed on 28/12/2023.
- 3. DVLA: Assessing fitness to drive: a guide for medical professional, Chapter 3 (Diabetes). Published May 2022. Available online at https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_da_ta/file/1084397/assessing-fitness-to-drive-may-2022.pdf) Last accessed on 28/12/2023.
- 4. NICE NG28: Type 2 Diabetes in Adults: Diagnosis and Management, Published 2/12/2015, last updated 29/6/2022. Available online at https://www.nice.org.uk/guidance/ng28/chapter/Recommendations#hba1c-measurement-and-targets Last accessed on 28/12/2023.
- 5. NHS England Glucose monitoring for patients living with diabetes.: Available at https://www.england.nhs.uk/diabetes/digital-innovations-to-support-diabetes-outcomes/flash-glucose-monitoring/ Last accessed on 28/12/2023.
- 6. NHS BSA: NHS Electronic Drug Tariff December 2022. Available online at https://www.drugtariff.nhsbsa.nhs.uk/#/00831895-DC_1/DC00831814/Home Last accessed on 28/12/2023.
- 7. NICE NG3: Diabetes in Pregnancy: Management from Pre-conception to the Post-Natal Period. Published 25/2/2015, last updated 16/12/2020. Available online at https://www.nice.org.uk/guidance/ng3 Last accessed on 28/12/2023.
- 8. BEST: Sharps Bin Disposal Update from Barnsley CCG May 2022. Available online at https://best.barnsleyccg.nhs.uk/clinical-support/shared-care-guidelines/dmards-rheumatology-sharps-bin/16228 Last accessed on 28/12/2023
- 9. NICE NG17: Type 1 Diabetes in Adults: Diagnosis and Management. Published 26/8/2015, last updated 17/8/2022. Available online at https://www.nice.org.uk/guidance/ng17/chapter/Recommendations#blood-glucose-management. Last accessed on 28/12/2022.

Development Process: This information has been subject to consultation and endorsement by the Endocrinologists in Barnsley and was ratified by the Area Prescribing Committee on 13th December 2023.

APPENDIX A

ADULTS

Proforma for transfer of prescribing of FreeStyle Libre 2® to primary care

- Specialist to complete when requesting GP to take over prescribing of FreeStyle Libre 2®.
- GP to return signed copy of form to barnsleydiabetes.spa@nhs.net
- Both parties should retain a signed copy of the form in the patient's record.

From (Specialist):	To (GP):		
Patient details			
Name	ID Number		
Address	. DOB		
	•		
The patient will be reviewed by the specialist team of	on		
Specialist name			
Telephone number(s)			

Patient selection criteria

(Please state which of the criteria below apply)

Criteria	Yes / No
Patient with diabetes associated with cystic fibrosis requiring insulin therapy	
Patient with any form of diabetes and on haemodialysis and requiring intensive monitoring >8 times daily	
Patients with Type 1 diabetes or insulin treated Type 2 diabetes who are living with a learning disability and recorded on their GP Learning Disability register	
Patients with any form of diabetes unable to routinely self-monitor due to disability or cognitive impairment who require carers to support glucose monitoring and insulin management.	
Patient with Type 1 diabetes with impaired awareness of hypoglycaemia	
Patient with Type 1 Diabetes and undertaking intensive monitoring >8 times daily	
Type 1 diabetes patients on basal bolus or pump therapy with sub optimal control i.e. HbA1c> 69mmol/mol (8.5%) but <85mmol/mol (>85mmol/mol indicates not giving insulin regularly)	

Patients with Type 1 Diabetes who are planning pregnancy or pregnant (unsuitable for patients with type 2 or gestational diabetes).	
Patients with type 1 diabetes not included in the above categories (please note that flash glucose monitoring may now be offered to any patient with Type 1 diabetes).	
Patient has frequent admissions (>2 per year) with DKA or hypoglycaemia	
Type 2 diabetes patients on multiple daily insulin injections with recurrent or severe hypoglycaemia.	
Type 2 diabetes patients on multiple daily insulin injections with impaired awareness of hypoglycaemia.	
Type 2 diabetes patients on multiple daily insulin injections who would otherwise have to self-monitor at least eight times a day.	
Patients already self-funding should meet the criteria above prior to first initiation. They must also be achieving an improvement in HbA1c since self-funding.	
Rarities of spontaneous hypoglycaemia e.g. Insulin secreting tumour	
 Exercise in adults in the following circumstances: Competing / exercising regularly to optimise carbohydrate and insulin adjustment before, during and after exercise to maximise the effect of exercise on improving diabetes control and ensure that sporting performance is optimised. For adults trying to lose weight but fearful of the hypoglycaemic effects of exercise For those who have had a severe episode of hypoglycaemia following sporting activity and cannot resume activity For those in whom there is concern regarding overcompensation with additional carbohydrate for activity Those involved in high endurance sporting activities where it is difficult to test blood sugar For those where exercise results in unpredictable hypoglycaemia 	

Outcomes Monitoring

The following outcomes should be monitored. Details of baseline values and values at 3 months should be included.

Parameter	Baseline	At 3 months	Improvement?
			(Y/N)
Frequency of severe/non-severe hypoglycaemia			
Does the patient have an impaired awareness of hypoglycaemia?			
Frequency of episodes of diabetic ketoacidosis			
Frequency of admissions to hospital			

Parameter (continued)	Baseline	At 3 months	Improvement?
			(Y/N)
HbA1c level			
If baseline HbA1c<70mmol/mol (8.6%) – need a 5mmol/mol drop by 3 months			
If baseline HbA1c ≥70mmol/mol (8.6%) –			
need a 10mmol/mol drop by 3 months			
Level of test strip usage			
Is patient up to date with the 9 processes of care?			
Quality of Life score using validated rating scales			
Has the patient used FreeStyle Libre 2® in an appropriate way? i.e., Commitment to regular scans and their use in self-management			

Confirmation of acceptance from GP

The patient has met the criteria for the initiation of FreeStyle Libre 2® and has achieved the required outcomes listed above to continue with use of the device. Specialist to sign below:				
Specialist (Doctor/Nurse) name				
Specialist (Doctor/Nurse) signature				
Date				
I, Drcan confirm I:				
□ Accept the request to prescribe FreeStyle Libre2® for the patient named above.				
□ Reject the request to prescribe FreeStyle Llbre2® for the patient named above.				
The reason for this being				

APPENDIX B

ADULTS

Proforma for transfer of patient from FreeStyle Libre® to FreeStyle Libre 2® Specialist to complete when requesting GP to transfer patient from FreeStyle Libre® sensors to FreeStyle Libre 2® sensors. To (GP): _____ From (Specialist): **Patient details** Request to prescribe Freestyle Libre 2® sensors Please can you prescribe Freestyle Libre 2® sensors as a replacement for FreeStyle Libre® sensors for the above patient. I can confirm that: the patient/patient's carer has been educated by the specialist team (either by telephone, online or in person) on the use of FreeStyle Libre 2® and the requirement to order a new reader or use the FreeStyle LibreLink app. • the patient has been using FreeStyle Libre® for at least 3 months and prescribing of FreeStyle Libre has previously been transferred to primary care using the proforma for transfer of prescribing of FreeStyle Libre® to primary care. Specialist name...... Specialist signature..... Telephone number(s)..... Date

APPENDIX C

Diabetes Self-Management Questionnaire (DSMQ)

The following statements describe self-care activities related to your diabetes. Thinking about your self-care over the last 8 weeks, please specify the extent to which each statement applies to you.		Applies to me very much	Applies to me to a consider- able degree	Applies to me to some degree	Does not apply to me
1.	I check my blood sugar levels with care and attention. Blood sugar measurement is not required as a part of my treatment.	□3	□2	□1	□0
2.	The food I choose to eat makes it easy to achieve optimal blood sugar levels.	□3	□2	□1	□0
3.	I keep all doctors' appointments recommended for my diabetes treatment.	□3	□2	□1	□0
4.	I take my diabetes medication (e. g. insulin, tablets) as prescribed. □ Diabetes medication / insulin is not required as a part of my treatment.	□3	□2	□1	□0
5.	Occasionally I eat lots of sweets or other foods rich in carbohydrates.	□3	□2	□1	□0

The following statements describe self-care activities related to your diabetes. Thinking about your self-care over the last 8 weeks, please specify the extent to which each statement applies to you.		Applies to me very much	Applies to me to a consider- able degree	Applies to me to some degree	Does not apply to me
6.	I record my blood sugar levels regularly (or analyse the value chart with my blood glucose meter). Blood sugar measurement is not required as a part of my treatment.	□3	□2	□1	□0
7.	I tend to avoid diabetes-related doctors' appointments.	□3	□2		□0
8.	I do regular physical activity to achieve optimal blood sugar levels.	□3	□2	□1	□0
9.	I strictly follow the dietary recommendations given by my doctor or diabetes specialist.	□3	□2		□0
10.	I do not check my blood sugar levels frequently enough as would be required for achieving good blood glucose control. Blood sugar measurement is not required as a part of my treatment.	□3	□2	□1	□0

The following statements describe self-care activities related to your diabetes. Thinking about your self-care over the last 8 weeks, please specify the extent to which each statement applies to you.		Applies to me very much	Applies to me to a consider- able degree	Applies to me to some degree	Does not apply to me
11.	I avoid physical activity, although it would improve my diabetes.	□3	□2		□0
12.	I tend to forget to take or skip my diabetes medication (e. g. insulin, tablets). Diabetes medication / insulin is not required as a part of my treatment.	□3	□2	□1	□0
13.	Sometimes I have real 'food binges' (not triggered by hypoglycaemia).	□3	□2	□1	□0
14.	Regarding my diabetes care, I should see my medical practitioner(s) more often.	□3	□2	□1	□0
15.	I tend to skip planned physical activity.	□3	□2	□1	□0

Schmitt, A., Gahr, A., Hermanns, N., Kulzer, B., Huber, J. and Haak, T. (2017). The Diabetes Self-Management Questionnaire (DSMQ): development and evaluation of an instrument to assess diabetes self-care activities associated with glycaemic control.

APPENDIX D

The nine processes of care:

- Weight
- Blood pressure
- Smoking status
- HbA1c
- Urinary albumin
- Serum creatinine
- Cholesterol
- Eye examinations
- Foot examinations