

Competency Framework

		COMPETENCY TITLE – BLOOD GLUCOSE AND KETONE MONITORING		ESR Code -
		COMPETENCY STATEMENT The safe use of blood glucose and ketone monitoring and associated equipment used.		
		COMPETENCY STANDARD	EVIDENCE TYPES	SUPPORTING DOCUMENTS
Unregistered Practitioner	1	Demonstrate a clear understanding of how to perform the blood glucose test unsupervised as per manufacturer’s instructions, whilst adhering to LCHS policy.	<ul style="list-style-type: none"> • Completion of Face to Face classroom training – Blood glucose monitoring. • Completion of Face to Face classroom training – Basic awareness of diabetes. • Questions and answers • Supervised practice x 5 to achieve competency. • Ensure annual update for blood glucose monitoring completed • Completion of hand hygiene competency 	LCHS Guidelines on the Management, Policy and Guidelines 2017-19 which includes: Administration of Insulin by Senior HCSW Hypoglycaemia Recognition and Treatment Guidelines G_CS_32 LCHS policy for monitoring of blood glucose levels- CPS 030 ----- LCHS Infection Prevention policy – P_IPC01 Standards of Infection prevention and control precautions – G_IPC 26 LCHS Hand hygiene policy LCHS Infection and
	2	Demonstrate a clear understanding of the normal range of glycaemia and report readings outside this range to the appropriate person.		
	3	Recognise hypoglycaemia and be able to administer glucose following LCHS algorithm for treating Hypoglycaemia.		
	4	Recognise and follow quality assurance procedures. Follow local policy for safe disposal of sharps		
	5	Document and report results within a timely manner as per LCHS policy.		
Competent Nurse	6	Interpret results and report readings outside the acceptable range to the appropriate person		

	7	Teach the blood glucose test procedure to a person with diabetes and/or their carer.		
	8	Identify and demonstrate an understanding of when testing for ketones are appropriate. Demonstrate an understanding of interpreting ketone results and if readings outside range to notify appropriate person.		Prevention Control Guidelines - Sharps safe handling and use – GuCPS035 LCHS Infection and Prevention Control reporting – GulC003
Experienced or Proficient Nurse	9	Interpret blood ketone results, assess other parameters and take appropriate, timely action.		NICE guidelines type 2 diabetes management – CG 66
	10	Interpret results and assess other parameters and take appropriate action, including initiating further tests, such as HbA1c.	<ul style="list-style-type: none"> • Completion of Face to Face classroom training – Blood glucose monitoring. • Completion of Face to Face classroom training – Basic awareness of diabetes. • Questions and answers • Ensure annual update for blood glucose monitoring completed • Completion of hand hygiene competency • Completion of Diabetes Module • Completion of Non-Medical Prescribing course. 	NPSA Patient Safety First 2008
	11	Teach people with diabetes or their carer to interpret results and take appropriate action.		NICE guidelines type 2 diabetes: management of type 2 diabetes 2008 – CG 87
Senior Practitioner or expert	12	Use results to optimise treatment interventions according to evidence- based practice, while incorporating the preferences of the person with diabetes.		
	13	Initiate continuous blood glucose monitoring, if appropriate or available locally, and interpret the		NMC Code of Conduct Medicines and Record Keeping

<p>nurse</p>	<p>14</p>	<p>results.</p> <p>Develop specific guidelines for use in different situations.</p>		<p>Medicine.org.uk</p> <p>Manufacturers specific product characteristics leaflet</p> <p>Diabetes.org.uk</p> <p>An Integrated Career and Competency Framework for Diabetes Nursing - Trend UK</p> <p>Blood Glucose Monitoring Guidelines Consensus Document – Trend Uk.</p>
	<p>15</p>	<p>If a registered non – medical prescriber, prescribe medications, as required, within own competencies and scope of practice.</p>		

SELF ASSESSMENT RECORD

Element	Competency Standard	Review Date	Unregistered Practitioner	Competent Nurse	Proficient or Experienced Nurse	Senior practitioner or Expert Nurse
1	Demonstrate a clear understanding of how to perform the blood glucose test unsupervised as per manufacturer's instructions, whilst adhering to LCHS policy.					
2	Demonstrate a clear understanding of the normal range of glycaemia and report readings outside this range to the appropriate person.					
3	Recognise hypoglycaemia and be able to administer glucose following LCHS algorithm for treating Hypoglycaemia.					
4	Recognise and follow quality assurance procedures. Follow local policy for safe disposal of sharps					
5	Document and report results within a timely manner as per					

	LCHS policy.					
6	Interpret results and report readings outside the acceptable range to the appropriate person					
7	Teach the blood glucose test procedure to a person with diabetes and/or their carer.					
8	Identify and demonstrate an understanding of when testing for ketones are appropriate. Demonstrate an understanding of interpreting ketone results and if readings outside range to notify appropriate person.					
9	Interpret blood ketone results, assess other parameters and take appropriate, timely action.					
10	Interpret results and assess other parameters and take appropriate action, including initiating further tests, such as HbA1c.					
11	Teach people with diabetes or their carer to interpret results and take appropriate action.					
12	Use results to optimise treatment interventions					

	according to evidence- based practice, while incorporating the preferences of the person with diabetes.					
13	Initiate continuous blood glucose monitoring, if appropriate or available locally, and interpret the results.					
14	Develop specific guidelines for use in different situations.					
15	If a registered non – medical prescriber, prescribe medications, as required, within own competencies and scope of practice.					

NAME :

DATE :

Assessment of Competence to Carry Out Blood Glucose Testing Using Freestyle Optium Neo H Blood Glucose Meter

Surname:	Forename(s):
Title (Mr/Mrs/Miss/Dr etc.):	Personal Number (stated on wage slip):
Job Title/ Designation:	
Dept/Directorate & Ward/ Unit:	Extension Number:

Verification of competence is undertaken by assessment against the following statements:

These statements are designed to indicate competence to use this device. Responsibility for use remains with the user, so if you are in any doubt regarding your competence to use the device, you should seek education to bring about improvement. Various methods including, training from your link nurse, formal training sessions held annually, and self-directed learning. Consider local resources, e.g. product operating manual and diabetes resource folders. Then carry out an initial assessment. You must be able to answer "yes" to all the questions before considering yourself to be competent. If you are not competent, instigate learning & then repeat self-verification.

Questions to ask yourself for self-analysis:	Self –Assessment date:	Observed assessment date:
Are you safe using this device – do you know the following:		
1. Why it is essential to ensure that the patients and operators hands are clean prior to testing?	Yes/No	Yes/No
2. How to calibrate the blood glucose meter?	Yes/No	Yes/No
3. How to conduct quality control testing?	Yes/No	Yes/No
4. How to identify the expiry date of the quality control test solution and its life once opened?	Yes/No	Yes/No
5. How often the QC test should be performed and where the results are recorded?	Yes/No	Yes/No
6. How to correctly insert a blood testing strip?	Yes/No	Yes/No
7. What action to take if the QC results are outside the expected range?	Yes/No	Yes/No
8. The correct way to obtain a blood drop sample and where it should be applied on the test strip?	Yes/No	Yes/No
9. How to perform the monthly external QA check?	Yes/No	Yes/No
10. How to set the time and date on the meter?	Yes/No	Yes/No
11. How to identify that the batteries require changing and how to change them if required?	Yes/No	Yes/No
12. How to identify what action to take if the meter displays an error message?	Yes/No	Yes/No
13. Do you know the cautions for using capillary blood glucose testing and the medical conditions whereby it may be contraindicated?	Yes/No	Yes/No
14. What action to take if blood glucose reading is out of range?	Yes/No	Yes/No
15. Do you know how to differentiate between glucose test strips and ketone strips?	Yes/No	Yes/No

Signature of Assessor:	Date:	Designation:
-------------------------------	--------------	---------------------

Keep this form in your personal portfolio or training record. Ensure that your manager has seen the form and entered the details of your competence in their records.

LCHS Diabetes 2017
Chairman: Elaine Baylis QPM

Chief
Executive:
Andrew
Morgan