

About this Unit

This standard covers performance of recording Electrocardiograph (ECG) at rest and ambulatory Electrocardiograph (ECG) procedures. It includes connection and disconnection of electrodes and acquisition of data ready for analysis.

The procedures may be performed in a number of care settings such as outpatient departments, ward areas and GP practices.

Users of this standard will need to ensure that practice reflects up-to-date information and policies.

Your **knowledge and understanding** will be specifically related to legal requirements and codes of practice and conduct applicable to your job, and the NHS Knowledge and Skills Framework. This will relate to your work activities; the job you are doing, and the setting, eg in hospital and community, domiciliary, residential care, and the individuals you are working with.

Values — the values underpinning this Unit are embedded within the 2009 NHS Code of Conduct for Health Care Support Workers. These are stated in full within the Assessment Strategy and Guidance document for the awards.

Key Words and Concepts — a glossary of definitions, key words and concepts used in this Unit is contained in the Assessment Strategy and Guidance document.

In occupational standards it is quite common to find words or phrases used which you will be familiar with, but which, in the detail of the standards, may be used in a very particular way. **You should read the Assessment Strategy and Guidance document before you begin working with the standards and refer to it if you are unsure about anything in the Unit.**

Specific Evidence Requirements for the Unit

It is essential that you adhere to the Evidence Requirements for this Unit

SPECIFIC EVIDENCE REQUIREMENTS FOR THIS UNIT
Simulation:
<ul style="list-style-type: none"> ◆ Simulation is NOT permitted for any part of this Unit. ◆ The following forms of evidence ARE mandatory: ◆ Direct Observation: Your assessor or expert witness must observe you in real work activities. Their confirmation of your practice will provide evidence for a significant amount of the performance criteria in this Unit. For example, how you prepare the sites and position the electrodes correctly on the individual so as to get an accurate result. ◆ Professional discussion: Describes your actions in a particular situation and reflect on the reason(s) why you practice that way. For example, discuss with your assessor/expert witness why electrocardiographs are carried out.
Competence of performance and knowledge could also be demonstrated using a variety of evidence from the following:
<ul style="list-style-type: none"> ◆ Reflective Account: These are written pieces of work which allow you to reflect on the course of action you took in a specific situation to identify any learning from the piece of work and to describe what you might do differently in the light of your new knowledge. ◆ Questioning/professional discussion: May be used to provide evidence of knowledge, legislation, policies and procedures which cannot be fully evidenced through direct observation or reflective accounts. In addition your assessor/mentor or expert witness may also ask questions to clarify aspects of your practice. ◆ Expert Witness: A designated expert witness, eg a senior member of staff, may provide a direct observation of your practice, or record a professional discussion they have held with you on a specific piece of practice. ◆ Witness Testimony: Can be a confirmation or authentication of the activities described in your evidence which your assessor or mentor has not seen. ◆ Products: These can be any record that you would normally use within your normal role, eg you should not put confidential records in your portfolio; they can remain where they are normally stored and be checked by your assessor and internal verifier. ◆ Prior Learning: You may be able to use recorded prior learning from a course of training you have attended within the last two years. Discussion on the relevance of this should form part of your assessment plan for each Unit. ◆ Simulation: There may be times when you have to demonstrate you are competent in a situation that does not arise naturally through your work role, eg dealing with violent or abusive behaviour. The Evidence Requirements in each Unit provide specific guidance regarding the use of simulation.
GENERAL GUIDANCE
<ul style="list-style-type: none"> ◆ Prior to commencing this Unit you should agree and complete an assessment plan with your assessor which details the assessment methods you will be using, and the tasks you will be undertaking to demonstrate your competence. ◆ Evidence must be provided for ALL of the performance criteria, ALL of the knowledge. ◆ The evidence must reflect the policies and procedures of your workplace and be linked to current legislation, values and the principles of best practice within the Health Care sector. This will include the National Service Standards for your areas of work. ◆ All evidence must relate to your own work practice.

KNOWLEDGE SPECIFICATION FOR THIS UNIT

Competent practice is a combination of the application of skills and knowledge informed by values and ethics. This specification details the knowledge and understanding required to carry out competent practice in the performance described in this Unit.

When using this specification **it is important to read the knowledge requirements in relation to expectations and requirements of your job role.**

You need to provide evidence for ALL knowledge points listed below. There are a variety of ways this can be achieved so it is essential that you read the ‘knowledge evidence’ section of the Assessment Guidance.

You need to show that you know, understand and can apply in practice:	Enter Evidence Numbers
1 The current European and National legislation, national guidelines, organisational policies and protocols in accordance with Clinical/Corporate Governance which affect your work practice in relation to performing routine electrocardiograph procedures.	
2 Your responsibilities and accountability in relation to the current European and National legislation, national guidelines and local policies and protocols and Clinical/Corporate Governance.	
3 The duty to report any acts or omissions in care that could be detrimental to yourself, other individuals or your employer.	
4 The importance of applying standard precautions to the performing of routine electrocardiographs of competence and the potential consequences of poor practice.	
5 The importance of working within your own sphere of competence and seeking advice when faced with situations outside your sphere of competence.	
6 Any special needs the individual may have which may affect performance or quality of ECG, including paediatric, mobility and medical conditions such as Parkinson disease.	
7 The importance of confirming the individual’s identity and consent.	
8 The importance of ensuring immobility for electrocardiograph at rest.	
9 The clinical conditions and reasons for referral for electrocardiograph examinations..	
10 The effect of postural and respiratory changes on electrocardiograph results.	
11 The structure and function of the heart.	
12 The conduction system of the heart.	
13 The normal electrocardiograph.	
14 The type and common characteristics of recording devices used in electrocardiograph procedures and how to set up and test.	
15 The relevant equipment quality assurance procedures.	
16 The purpose of electrocardiograph procedures.	

FP90 04 (CHS130) Perform routine electrocardiograph (ECG) procedures

You need to show that you know, understand and can apply in practice:	Enter Evidence Numbers
17 The correct positioning of electrodes for at rest and ambulatory electrocardiograph procedures and why this is important.	
18 Potential electrical interference and sources of artefact and how to recognise them.	
19 How to check that the electrocardiograph trace is clear to enable accurate reading and analysis.	
20 The importance of the individual's accurate recording of signs/symptoms during ambulatory electrocardiograph procedures.	
21 The importance of correctly labelling all records and outputs.	
22 The disclosure and confidentiality requirements in respect of medical and the individual's information.	
23 The importance of immediately reporting any issues which are outside your own sphere of competence without delay to the relevant member of staff conditions and reasons for referral for electrocardiograph examinations.	

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Performance Criteria		DO	RA	EW	Q	P	WT	PD
		1	Apply standard precautions for infection prevention and control and other appropriate health and safety measures.					
2	Ensure the comfort, safety, security and general condition of the individual and yourself throughout the procedure.							
3	Confirm the individual's identity, reason for referral and valid consent.							
4	Identify any special needs which may affect performance of the test or influence results.							
5	Obtain assistance and advice where alternative arrangements are required to meet special needs.							
6	Confirm the individual is fit to undergo the procedures by asking whether they have any symptoms such as feeling faint when lying down for such tests.							
7	Establish suitability of characteristics and operational parameters of equipment.							
8	Correctly label documents and recording devices with individual details, date of procedure and person performing the procedure.							
9	Inform and instruct the individual and carers on the procedure and requirements for their compliance.							
10	Where electrocardiograph is performed at rest, encourage the individual to relax and remain immobile during procedure.							
11	Where ambulatory electrocardiograph is performed ensure the individual understands the importance of accurately recording incidence of signs and symptoms, including time of occurrence.							
12	Prepare sites and position electrodes to optimise results, taking account of special needs identified.							
13	Test and run monitoring device and check quality of output.							
14	Inform the individual of next action.							
15	Safeguard the privacy, dignity and confidentiality of the individual throughout the procedure.							

DO = Direct Observation
 EW = Expert Witness
 PD = Professional Discussion

RA = Reflective Account
 P = Product (Work)

Q = Questions
 WT = Witness Testimony

To be completed by the candidate

I SUBMIT THIS AS A COMPLETE UNIT

Candidate's name:

Candidate's signature:

Date:

To be completed by the assessor

It is a shared responsibility of both the candidate and assessor to claim evidence, however, it is the responsibility of the assessor to ensure the accuracy/validity of each evidence claim and make the final decision.

I CERTIFY THAT SUFFICIENT EVIDENCE HAS BEEN PRODUCED TO MEET ALL THE ELEMENTS, PCS AND KNOWLEDGE OF THIS UNIT.

Assessor's name:

Assessor's signature:

Date:

Assessor/Internal verifier feedback

To be completed by the internal verifier if applicable

This section only needs to be completed if the Unit is sampled by the internal verifier

Internal verifier's name:

Internal verifier's signature:

Date: