



Australian Government

Department of Education, Employment and Workplace Relations

HLTDEFHC404B Conduct a clinical measurement

Release: 1

HLTDEFHC404B Conduct a clinical measurement

Modification History

Not Applicable

Unit Descriptor

Descriptor

This unit covers the competency required to conduct a clinical measurement for a client as part of a treatment plan or as part of a health promotion program

Application of the Unit

Application

This unit of competency is applicable to Australian Defence Force (ADF) Health Care Providers

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills

This unit contains Employability Skills

Elements and Performance Criteria Pre-Content

Elements define the essential outcomes of a unit of competency.

The Performance Criteria specify the level of performance required to demonstrate achievement of the Element. Terms in italics are elaborated in the Range Statement.

Elements and Performance Criteria

ELEMENT

1. Prepare for *clinical measurement*

PERFORMANCE CRITERIA

- 1.1 Assess *environment* for suitability to conduct a clinical measurement
- 1.2 Select *equipment, consumables* and documentation, check for serviceability and arrange for use
- 1.3 Explain *clinical measurement* clearly and simply to the client to clarify its purpose and structure
- 1.4 Give client the opportunity to ask questions and discuss concerns
- 1.5 Gain informed consent from client in accordance with *clinical guidelines, organisation policies and procedures*
- 1.6 Assure and maintain *confidentiality of client information*
- 1.7 Use personal protective equipment if required

ELEMENT**PERFORMANCE CRITERIA**

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| 2. Obtain <i>clinical measurements</i> | <p>2.1 Follow <i>personal hygiene and infection control procedures</i></p> <p>2.2 Conduct <i>clinical measurements</i> to produce valid, reliable and accurate results, in accordance with <i>clinical guidelines, organisation policies and procedures</i></p> <p>2.3 If measurement results are unreliable, conduct a re-measurement</p> <p>2.4 Record results in accordance with <i>clinical guidelines, organisation policies and procedures</i></p> |
| 3. Review and report measurement results | <p>3.1 Provide measurement results to requesting authority</p> <p>3.2 Examine results to determine outcome of <i>clinical measurement</i> if appropriate</p> <p>3.3 Communicate outcome of measurements clearly and simply to client if appropriate to do so</p> |
| 4. Clean and store <i>equipment</i> | <p>4.1 Clean and/or dispose of <i>equipment</i> and attachments in accordance with manufacturers' requirements and infection control procedures</p> <p>4.2 Store <i>equipment</i> and attachments in accordance with <i>clinical guidelines, organisation policies and procedures</i></p> |

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit.

Essential knowledge:

The candidate must be able to demonstrate essential knowledge required to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes knowledge of:

- Anatomy and physiology to enable measurement performance to be accurate and of minimum risk to clients
- Factors affecting clinical measurement
- Organisation policies and procedures
- Pathophysiology to enable measurement performance to be accurate
- Procedure manuals
- Relevant abbreviations and symbols
- Requirements for accurately conducting clinical measurements
- What constitutes impaired clinical measurement

Essential skills:

It is critical that the candidate demonstrate the ability to:

- Communicate effectively with the client regarding the procedures and the outcomes of the measurements
- Perform the following measurements:
 - blood glucose measurement
 - chemical reagent strip urinalysis
 - distance visual acuity measurement
 - electrocardiograph (ECG)
 - manual blood pressure measurement
 - pure tone hearing measurement (audiometry)
 - spirometry measurement
- Recognise conditions when measurement results may be unreliable

REQUIRED SKILLS AND KNOWLEDGE

In addition, the candidate must be able to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes the ability to:

- Accurately perform simple physical examination on a client
- Ask questions
- Clarify workplace instructions when necessary
- Interpret data
- Conduct accurate clinical measurements
- Deal with conflict
- Interpret and communicate results
- Listen to and comprehend workplace instructions
- Operate equipment correctly and in accordance with manufacturers' specifications
- Plan daily work routine
- Provide clear information
- Read and document clinical information
- Record client results
- Recognise when a client is not giving true result potential
- Solve problems
- Use available resources

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate this competency unit:

- The individual being assessed must provide evidence of specified essential knowledge as well as skills
- Consistency of performance should be demonstrated over the required range of situations relevant to the work
- Where, for reasons of safety, space, or access to

EVIDENCE GUIDE

equipment and resources, assessment takes place away from the work context, the assessment environment should represent work conditions as closely as possible

Resource implications

- Assessment requires access to:
 - appropriate measuring equipment
 - clients (or substitutes)
 - relevant organisation policies, guidelines, procedures and protocols
 - policies and guidelines from relevant professional body(ies) on the conduct of clinical measurements
 - manufacturers' specifications for the use and storage of equipment

Consistency in performance

- Competency should be demonstrated over time with a range of clinical measurements that could be expected in the workplace

Context of assessment

- Competency should be assessed in the workplace or in a simulated workplace

Access and equity considerations:

- All workers in the health industry should be aware of access and equity issues in relation to their own area of work
- All workers should develop their ability to work in a culturally diverse environment
- In recognition of particular health issues facing Aboriginal and Torres Strait Islander communities, workers should be aware of cultural, historical and current issues impacting on health of Aboriginal and Torres Strait Islander people
- Assessors and trainers must take into account relevant access and equity issues, in particular relating to factors impacting on health of Aboriginal and/or Torres Strait Islander clients and communities

EVIDENCE GUIDE

Related units:

- This unit may be assessed independently, but holistic assessment with other clinical units is encouraged

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Environment assessment may include:

- Adequate lighting
- Health care practitioner's specified needs
- Suitable climate
- Suitable client privacy

Clinical measurements may include:

- Blood glucose measurement
- Body height, weight and circumference measurement
- Chemical reagent strip urinalysis
- Distance visual acuity measurement
- Electrocardiograph (ECG)
- Manual blood pressure measurement
- Pure tone hearing measurement (audiometry)
- Pitch discrimination
- Spirometry measurement
- Skin fold measurement

RANGE STATEMENT*Equipment may include:*

- Balance beam scales
- Dial scales
- Digital scales
- Chemical reagent strips
- ECG machine
- E chart (for clients with literacy problems or for clients not familiar with the English alphabet)
- Glucometer
- Otoscope
- Peak flow meter
- Pure tone audiometer
- Pulse oximeter
- Respiratory function measuring device (Vitalograph)
- Snellen Alphabet chart
- Tape measure
- Wall mounted height measuring scale

Consumables may include:

- Alcohol cleansing wipes
- Cotton-tipped swab
- Disposable gloves
- Examination gowns
- Gauze squares
- Goggles/protective eyewear
- Half-sheet for draping
- Hazard bags for infection control
- Instrument cleaning supplies
- Sharps containers
- Tongue depressors
- Visual acuity charts

Confidentiality of client information may be ensured by:

- Adherence to Privacy Act
- Information disclosed to an appropriate person consistent with the responsibility of this position
- Legal and ethical requirements
- Secure location for written records
- Treatment room with privacy

RANGE STATEMENT

Personal hygiene and infection control procedures may include:

- Australian and state standards and legislation
- Industry standards
- Organisation procedures
- Standard precautions such as hand washing procedures
- Direct instructions from supervisor

Clinical guidelines, organisation policies and procedures may include:

- Clinical standards (state and national)
- Industry standards (state and national)
- Industry professional bodies
- Organisation
- Privacy Act
- Relevant Australian standards
- Relevant state/territory occupational health and safety bodies

Unit Sector(s)

Not Applicable