



Australian Government

Department of Education, Employment and Workplace Relations

HLTEN610B Practise in the cardiovascular nursing environment

Release: 1

HLTEN610B Practise in the cardiovascular nursing environment

Modification History

Not Applicable

Unit Descriptor

Descriptor

This competency unit describes the skills and knowledge required to apply the principles of cardiovascular nursing care, building on existing skills to enable the Enrolled/Division 2 nurse to provide holistic nursing care. Enrolled/Division 2 nurses use a range of complex nursing interventions to assist clients and their significant others to attain and maintain optimal cardiovascular health

Application of the Unit

Application

The knowledge and skills described in this competency unit are to be applied within jurisdictional nursing and midwifery regulatory authority legislative requirements

Enrolled/Division 2 nursing work is to be carried out in consultation/collaboration with registered nurses and under direct or indirect supervisory arrangements in line with jurisdictional regulatory requirements

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.

Elements and Performance Criteria

ELEMENT

1. Determine health status of *clients* with acute and/or chronic *cardiovascular conditions*

PERFORMANCE CRITERIA

- 1.1 Apply understanding of the pathophysiology of the presenting/underlying cardiovascular condition
- 1.2 Identify client nursing care needs commonly associated with cardiovascular impairment
- 1.3 Initiate holistic health assessment and collect accurate client information in accordance with health unit policy
- 1.4 Evaluate and interpret client's cardiac function and communicate to the health care team
- 1.5 Use a range of assessment tools relevant to client health care requirements
- 1.6 Identify significant alterations in client health status
- 1.7 Ascertain possible factor/s impacting on client health status.
- 1.8 Identify client (and/or identified significant other/s) knowledge regarding cardiovascular conditions, self management and individual treatment regime

ELEMENT**PERFORMANCE CRITERIA**

2. Contribute to *multi-disciplinary health care team* in caring for client/s with cardiovascular impairment
 - 2.1 Interact appropriately with emergency service personnel, referring agencies and other hospital department staff
 - 2.2 Work with an understanding of the role of specialist nursing and medical services in the care of clients with chronic cardiovascular conditions
 - 2.3 Collaborate with community agencies in partnership with the client (and identified significant other/s with client consent), to maintain continuity of care
 - 2.4 Identify factors relevant to client situation, giving consideration to the physical, psychological, social and economic impacts
 - 2.5 Review data collected and communicate to relevant members of the health care team

3. Plan nursing care for clients with acute and/or chronic cardiovascular conditions
 - 3.1 Ensure nursing care plan reflects specific cardiovascular care requirements in accordance with health unit policy
 - 3.2 Ensure care plan reflects client's current nursing needs and nursing actions designed to maximise cardiovascular function and minimise potential complications
 - 3.3 Apply understanding of risk management principles in planning client care
 - 3.4 Ensure planned care and therapeutic interventions aim to assist client/s to achieve optimal health outcomes
 - 3.5 Identify client requirements for health promotion and education aspects of the nursing care plan in conjunction with client and significant other/s
 - 3.6 Regularly review plan of care and modify to reflect changes in client condition

ELEMENT**PERFORMANCE CRITERIA**

4. Perform complex nursing interventions to assist clients to attain and maintain optimal cardiovascular health
 - 4.1 Prioritise nursing interventions according to client needs
 - 4.2 Modify nursing interventions using critical thinking and problem solving approaches, to reflect changes in client condition
 - 4.3 Update nursing interventions, including health promotion and/or education, to assist client and identified significant other/s to achieve expected outcomes
 - 4.4 Monitor nursing interventions, review those that fail to address client needs and revise in consultation/collaboration with the health care team
 - 4.5 Implement health teaching plans for the client experiencing cardiovascular impairment (and identified significant other/s) with health care team support
 - 4.6 Ensure appropriate pre-, intra- and post-cardiovascular diagnostic procedures are undertaken in line with organisation policies and procedures
 - 4.7 Ensure medication administration is based on sound knowledge of principles of drug actions and side effects in accordance with health unit policies and procedures

5. Evaluate effectiveness of nursing interventions and planned care for clients with acute and/or chronic cardiovascular conditions
 - 5.1 Evaluate responses of client and identified significant other/s to nursing interventions, and modify and document in accordance with health unit policy
 - 5.2 Ensure client, and significant other/s where indicated, are aware of community resources available to them and how to access them
 - 5.3 Assess client understanding of their condition, medications and therapeutic regimes prior to discharge
 - 5.4 Evaluate client acceptance of specific health promotion initiatives prior to discharge
 - 5.5 Assess and review understanding of identified significant other/s in relation to current condition of client and their ongoing management

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:

- Critical thinking and problem solving
- Cultural and spiritual beliefs and practices
- Culturally appropriate health promotion activities for clients with cardiovascular issues
- Factors influencing growth and development
- Factors influencing self esteem
- Legislative requirements for practice
- Medical terminology
- Occupational health and safety legislation
- Organisation policy and procedure
- Participating as a member of the health care team
- Principles of health assessment
- Professional standards of practice
 - ANMC code of conduct
 - ANMC code of ethics
 - ANMC national Enrolled/Division 2 nurse competencies
 - Scope of nursing practice decision making framework
- Reflective practice
- Specialised in-depth knowledge in anatomy, physiology and pathophysiology related to cardiovascular issues
- Specialised knowledge and execution relating to emergency care of cardiovascular issues.
- Specialised knowledge in the clinical manifestations of chronic disease states

Essential skills:

REQUIRED SKILLS AND KNOWLEDGE

It is critical that the candidate demonstrate the ability 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:

- Apply clinical nursing skills, including assessment, observation and documentation relating to the nursing management of cardiovascular interventions and emergencies
- Apply professional standards of practice:
 - ANMC code of conduct
 - ANMC code of ethics
 - ANMC national Enrolled/Division 2 nurse competency standards
 - state/territory Nurse Regulatory Nurses Act
 - state/territory Nursing and Midwifery Regulatory Authority standards of practice
 - scope of nursing practice decision making framework
- Apply cognitive processes to reflect problem solving and analysis in the planning implementation and evaluation of care to clients
- Apply organisation policy and procedure relating to cardiovascular management
- Apply relevant admission and discharge tools according to organisation policy
- Apply relevant health unit assessment tools according to organisation policy
- Demonstrate accountability for personal outputs and broad client group outcomes
- Use advanced communication skills
- Use education and teaching strategies relating to health promotion and practical task applications for cardiovascular conditions
- Use information technology systems
- Use language, literacy and numeracy competence required to communicate effectively with client, group, colleagues and to record or report client outcomes
- Undertake nursing interventions which may include:
 - arterial line management
 - assistance with meeting activities of daily living
 - Central Venous Catheter Management
 - chest pain assessment and management
 - cough CPR and pre-cordial thump
 - CPAP and BiPAP (non-invasive)
 - emergency medications
 - fundamental nursing interventions
 - medication administration and management
 - modified advanced life support
 - PICC/Midline Management
 - under water seal drain management

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
- Observation of performance in a work context is essential for assessment of this unit
- Consistency of performance should be demonstrated over the required range of workplace situations and should occur on more than one occasion and be assessed by a registered nurse

Context of and specific resources for assessment:

- This unit is most appropriately assessed in the clinical workplace or in a simulated clinical work environment and under the normal range of clinical environment conditions
- Where, for reasons of safety, access to equipment and resources and space, assessment takes place away from the workplace, simulations should be used to represent workplace conditions as closely as possible

Method of assessment

- Observation in the work place
- Written assignments/projects
- Case study and scenario as a basis for discussion of issues and strategies to contribute to best practice
- Questioning - verbal or written
- Role play/simulation

EVIDENCE GUIDE

- 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

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.

Clients may include:

- Adult
- Older adult
- Significant others
- Child
- Adolescent

RANGE STATEMENT

Health care setting may include:

- Acute care facilities
- Respite or rehabilitation facilities
- Private or public hospitals
- Medical clinics or practices
- Community health clinics or centres
- Aged care settings

Multidisciplinary health care team members could include:

- Nurses
- Doctors
- Allied health professionals
- Community or volunteer staff
- Administration staff from a variety of organisations
- Clients and their families

Cardiovascular conditions may include:

- Congestive Cardiac Failure
- Acute Pulmonary Oedema
- Pulmonary Embolism
- Arrhythmia - VT, VF, Asystole, Symptomatic brady and tachycardia, AF
- Congenital Heart Defects - accessory pathways, septal defects, tetralogy of Fallot, dextracardia
- Ischaemic Heart Disease - Angina and Myocardial Infarction
- Heart Valve Dysfunction
- Sub-Acute Bacterial Endocarditis
- Pericarditis
- Acute Chest Pain
- Cardiomyopathy
- Carotid Stenosis
- Abdominal Aortic Aneurysm
- Peripheral Vascular Disease
- Deep Vein Thrombosis

RANGE STATEMENT

Cardiovascular procedures may include

- R and L Heart Catheters
- PTCA (with or without stent)
- Pacemaker (temporary or permanent)
- CAVG
- Mitral Valvotomy
- Electrophysiology studies (with or without ablation)
- ICD
- Cardioversion
- Heart Transplant Care
- Echocardiogram
- Exercise stress test
- Nuclear medicine scans
- TOE
- Hyper/Hypo tension
- Pericardiocentesis
- AAA repair
- Varicose veins
- Amputations

Actual and potential problems may include:

- Electrolyte imbalance
- Fluid overload
- Reduced CO₂
- Hypoxia/Hypoxaemia
- Chest pain
- Structural heart damage
- Sepsis
- Haemorrhage
- Neurovascular damage
- Cerebral Vascular Accident
- Vessel occlusion
- Pneumothorax
- Pacemaker lead displacement
- Arrhythmia
- Allergy
- Exercise Intolerance

RANGE STATEMENT

*Health promotion goals /
outcomes may include:*

- Exercise
- Nutrition
- Weight Loss
- Diabetes Management
- Smoking Cessation
- Hypertension Control
- Stress Management
- Post Menopausal
- Alcohol and Drugs

Unit Sector(s)

Not Applicable