

Specification of Competency Standards
for the Elderly Care Service Industry
Unit of Competency

Functional Area - Clinical Care

Title	Perform Automated External Heart Defibrillation
Code	106079L3
Range	This Unit of Competency is applicable to employees in elderly care service industry who provide clinical care to elderlies. This Competency involves the ability of analysis and making judgment. Employees are required to perform Automatic External Defibrillation on elderlies according to relevant guideline and protocol of the institution, so as to stimulate the recovery of normal heartbeat and increase elderlies' chance of survival.
Level	3
Credit	1 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Relevant knowledge on Automatic External Defibrillation</p> <p>Be able to</p> <ul style="list-style-type: none"> • Understand relevant guidelines and protocol of the institution regarding performing AED • Understand the latest AED guidelines from relevant professional and academic organizations such as: <ul style="list-style-type: none"> ○ American Heart Association ○ St John's Ambulance • Understand the basic physiology and anatomy of the respiratory and circulatory systems • Understand the causes and effects of ventricular tachycardia, ventricular fibrillation and cardiac arrest • Understand the user manual of automatic external defibrillator, including <ul style="list-style-type: none"> ○ types and accessories needed ○ mechanism of operation ○ method of operation provided by the manufacturer ○ Standard safety code • Understand the skill of performing AED • Understand the procedures to provide resuscitation and AED • Understand standard infection control preventions <p>2. Perform Automatic External Defibrillation</p> <p>Be able to</p> <ul style="list-style-type: none"> • Understand the actual environment and condition of elderlies, minimize the risk under safe and feasible circumstance, including <ul style="list-style-type: none"> ○ Ensure safety of the employees themselves, elderlies and others present ○ remove obstacles ○ evacuate the crowd ○ move elderlies to a safer place • Take standard infection control precautions, and wear personal protective equipment, such as gloves, CPR mask, and pocket mask • Determine whether elderlies needs AED, including assessing their: <ul style="list-style-type: none"> ○ level of consciousness ○ pulse ○ airway ○ breathing pattern • Call ambulance, inform supervisor for assistance • Perform AED according to relevant guidelines and protocol of the institution such as: <ul style="list-style-type: none"> ○ Prepare the automatic external defibrillator correctly, move elderlies to a safe place for AED

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	<ul style="list-style-type: none"> ○ Operate according to the user manual of the AED ○ Correctly attach the electrodes on elderlies for accurate analysis and shock delivery ○ Ensure that nobody moves or touches the elderlies while the AED is analysing rhythm and delivering shock, in order to ensure accuracy and others' safety ○ After the shock is delivered, perform CPR and AED according to the guidelines until pulse and breathing recover or ambulance has arrived and paramedics take over the case <ul style="list-style-type: none"> ● Inform ambulance personnel of the sequence of events, vital signs of elderlies and treatments given ● Document the whole procedures in detail and keep it properly <p>3. Exhibit professionalism</p> <p>Be able to</p> <ul style="list-style-type: none"> ● ensure the first aid technique fulfils the updated guidelines issued by professional and academic organizations ● assess and determine the severity and condition of elderlies as quickly as possible and provide appropriate first aid procedures ● ensure elderlies' safety and protect their privacy
Assessment Criteria	<p>The integrated outcome requirements of this Unit of Competency are:</p> <ul style="list-style-type: none"> ● Ability to assess the condition of elderlies and the environment, determine their need for AED; and ● Ability to follow the guidelines and protocol of the institution and perform AED until the ambulance arrives and paramedics take over the case.
Remark	<p>1. Employees performing this unit of competency are supposed to have acquired fundamental first-aid knowledge</p> <p>2. Cardiopulmonary resuscitation is currently performed only by holders of recognized and valid first-aid certificate.</p>