

**SKILLS FRAMEWORK FOR HEALTHCARE
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Patient Care					
TSC	Respiratory Care in Nursing					
TSC Description	Care of patients with respiratory disorders					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		HCE-PTC-2028-1.1	HCE-PTC-3028-1.1	HCE-PTC-4028-1.1	HCE-PTC-5028-1.1	HCE-PTC-6028-1.1
		Record respiration and oxygen saturation rates	Perform airway management and respiratory care	Perform complex airway management and respiratory care	Perform, supervise, educate and evaluate staff on basic to complex airway management and respiratory care	Lead and foster collaboration with multiple stakeholders to review and/or develop existing and/or new development on respiratory care and management
Knowledge		<ul style="list-style-type: none"> • Basic structure and functions of the respiratory system • Measurement of respiration rate • Factors that influence respiration rate • Common respiration range and oxygen saturation • Early warning signs of obstructed airway • Oxygen saturation measurement device features and operation instructions • Hazards related to oxygen therapy • Procedures on administration of oxygen • Types of oxygen delivery equipment available • Indications and contraindications for administration of oxygen therapy • Escalation policies and procedures when changes to patients' conditions are observed • Organisational policies and procedures on documentation of care rendered • Infection control policies and practices 	<ul style="list-style-type: none"> • Basic anatomy and physiology of the respiratory system • Use of oropharyngeal device and suctioning equipment • Techniques of administering airway adjuncts, suctioning, nebulisation, sputum induction • Use of nebulization and inhalers • Techniques of using peak flow meter and handheld mucus clearance devices • Procedures on care of patient with tracheostomy • Organisational policies and procedures on assisting patients with deep breathing exercises • Workplace safety and health guidelines on use of oxygen • Principles of chest tube drainage system and the significance of monitoring 	<ul style="list-style-type: none"> • Anatomy and pathophysiology of the respiratory system • Disease process of the respiratory system • Pharmacological management of patient with respiratory disease • Use of bronchodilator drug • Types of clinical laboratory and diagnostic results • Techniques in lung auscultation • Nursing assessments and diagnosis in relation to management of patients with respiratory disorders • Emergency airway management • Procedures on care of patients requiring non-invasive and invasive positive pressure ventilation • Procedures on care of patients with laryngeal mask airway • Procedures on care of patients with tracheostomy tube and endotracheal tube • Procedures on care of patients requiring 	<ul style="list-style-type: none"> • Principles of invasive and non-invasive respiratory ventilation • Principles and application of respiratory devices such as ambulatory drain system, portable, handheld monitoring devices, interfaces for ventilator and oxygen therapy • Emergency advanced airway management • Discharge planning for patients with respiratory and/or ambulatory devices and home respiratory devices • Bronchoscopy, surgery and lung biopsy • Pharmacology on respiratory drugs 	<ul style="list-style-type: none"> • Strategic direction and development of respiratory management and services • Training and development principles to build capabilities • Clinical standards • Insight on potential development of new and/or emerging trends

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				<p>percutaneous tracheostomy insertion</p> <ul style="list-style-type: none"> • Types of deep breathing and coughing exercise, and use of handheld devices in managing and clearance of mucus for the patient • Sputum induction techniques • Indications and complications of chest drainage • Nutrition and hydration needs of respiratory patients • Essential of smoking cessation programmes • Bronchoscopy, surgery and lung biopsy 		
Abilities		<ul style="list-style-type: none"> • Collect assessment data on respiration rate • Assist in administration of oxygen • Report patients' respiratory status and oxygen saturation to trained nurse respiration • Perform pulse oximetry monitoring 	<ul style="list-style-type: none"> • Administer oxygen therapy after verifying doctors' orders • Perform oral and nasal suctioning • Administer nebulisation and inhaler therapy • Provide care to patients with tracheostomy • Provide care to patients with chest tube drainage system • Document procedures provided • Evaluate procedures provided • Assist patients in performing coughing and breathing exercises with the application of handheld mucus clearance devices 	<ul style="list-style-type: none"> • Perform assessments of the lungs through auscultation • Formulate nursing care plans based on assessment findings • Evaluate patients' treatment and/or care plans based on the assessment findings • Interpret clinical and laboratory results • Administer medication and intravenous fluids as prescribed • Provide guidance and supervision to junior healthcare personnel • Respond to emergencies related to airway management • Provide care to patients requiring non-invasive positive pressure ventilation • Perform insertion of oropharyngeal airway and nasopharyngeal airway after sizing • Assist in endotracheal intubation • Provide care to patients with endotracheal tubes 	<ul style="list-style-type: none"> • Perform mask fitting and trouble shooting, • Set up of ambulatory respiratory devices • Set up ambulatory chest drainage system • Ensure staff compliance to guidelines, protocol of respiratory care • Participate in the research associated in respiratory care 	<ul style="list-style-type: none"> • Maintain staff's competency on respiratory care • Develop new services on respiratory care • Set standards of practices for respiratory care • Generate new and/or emerging knowledge in respiratory care through research • Collaborate with government bodies and key stakeholders in the healthcare group to formulate the management and continuity of care for the respiratory patients across care spectrum

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				<ul style="list-style-type: none">• Perform extubation of endotracheal tubes according to organisational policies• Assist in percutaneous tracheostomy insertions• Provide care to patients requiring mechanical ventilation and use of cough assist devices if needed• Provide education to patients on the use of peak flow meter and handheld mucus clearance devices• Provide counselling to patients for smoking cessation• Consult respiratory therapists for additional support treatments		
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