

## COPD Units of Learning

<p>Title of overarching NOS: <b>CHS 74 Manage an individuals medication to achieve optimum outcomes</b></p>	<p>Unit of learning to demonstrate competence: <b>Assess response to oxygen therapy</b></p>
<p>Details of the relationship between the unit to demonstrate competence and relevant national occupational standards (if appropriate)</p>	<p>Users will be able to demonstrate competence in assessing an individual's response to oxygen therapy</p>
<p>Outcomes: The individual will know and understand:</p>	<p>Assessment criteria To be competent the individual will be able to:</p>
<p>Indicative Level</p>	<p>Level 1 (Expert/specialist) Level 2 (Experienced practitioner) Level 3 (Novice new to respiratory disease management (including COPD))</p>
<p>Why it is important for treatment to be assessed for efficacy</p>	<p>Clearly explain the rationale for oxygen therapy to individuals with COPD and other respiratory diseases</p> <p>Describe and clearly explain how oxygen support helps improve the levels of oxygen and reduces the risk of carbon dioxide retention (hypercapnia) for individuals with COPD and other respiratory diseases</p> <p>Outline the tests and interventions required to establish satisfactory response to oxygen therapy (for example arterial blood gas analysis, oximetry, trans-cutaneous CO2 monitoring)</p> <p>Clearly explain to the individual the duration of treatment required for each oxygen modality</p>

<p>Why it is important to identify the drivers for oxygen therapy and how other predisposing clinical conditions and factors can mask or affect therapy outcomes</p>	<p>Describe the drivers for oxygen therapy assessments, their effectiveness and implications within COPD and other respiratory disease management</p> <p>Work with professional colleagues to identify the need for ambulatory; palliative oxygen therapy (POT); short burst oxygen therapy (SBOT) and/or long term oxygen therapy (LTOT)</p> <p>Use appropriate methodologies to identify any pre-morbid capabilities of the individuals.</p> <p>Work with the individual to establish the circumstances that led up to the presenting condition requiring therapy; home/care circumstances and any recent changes or influencing factors</p>
<p>The importance and role of lifestyle factors on compliance with oxygen therapy</p>	<p>Outline the factors of oxygen therapy delivery systems that may impinge on the individuals lifestyle and social requirements</p> <p>Outline measures to improve the lifestyle and social factors for individuals on oxygen therapy, including ambulatory oxygen therapy</p>
<p>Assess the performance of oxygen equipment and its associated accessory devices and patient interfaces</p>	<p>Ensure appropriate equipment is provided and functional in line with local policy</p> <p>Confirm that performance checks on the delivery of oxygen and associated devices have been undertaken by the supplier in accordance with local policy</p> <p>Describe to the individual the actions required if equipment failure is detected and the consequences of not detecting equipment failure</p>
<p>Signs and symptoms of effective oxygen therapy</p>	<p>Describe any changes in symptoms and indicators to demonstrate improvement or deterioration.</p> <p>Observe and monitor the individual during and after oxygen therapy.</p> <p>Consider compliance to therapy.</p> <p>Describe the actions required to control and/or reverse any deterioration in the individual.</p> <p>Where appropriate, seek additional information concerning the individual's condition from key health professionals and/or make a timely referral</p>

<p>The range of monitoring and assessment tests/tools required to conduct a comprehensive review of effectiveness of treatment</p>	<p>Outline to the individual/carer the monitoring/assessment tests and tools required to establish the efficacy of oxygen therapy</p> <p>Explain the sequence, duration, type and frequency of monitoring required to determine the effectiveness of their oxygen therapy</p> <p>Select appropriate monitoring and assessment criteria</p> <p>Support and reassure the individual during the assessment and monitoring tests/tools</p> <p>Measure the efficacy of treatment using appropriate monitoring and assessment tests/tools such as arterial blood gas analysis, oximetry, trans-cutaneous CO<sub>2</sub> monitoring, respiratory rate and level of cyanosis to determine normal, hypoxia or hypercapnic conditions</p> <p>Take prompt action whenever efficacy is below expectations or if complications or issues arise during the treatment process</p>
<p>How to communicate effectively</p>	<p>Communicate in a manner that meets health professionals and the individual's needs and respects dignity, confidentiality and values</p>
<p>Importance of asking questions, listening and summarising back</p>	<p>Use appropriate questioning, listening and probing techniques to encourage the individual to share their experiences, worries or concerns with oxygen therapy</p> <p>Summarise back, rectify any misconceptions and check the information received is correct and understood</p> <p>Work with the individual and colleagues to obtain further information and/or data to assess the efficacy of oxygen therapy</p>
<p>Health safety and infection control measures</p>	<p>Work with the individual to apply standard precautions for infection control and other relevant health and safety measures</p>

How to refer individuals to appropriate services in a timely manner	<p>Seek advice in a timely manner and gain support from competent individuals whenever the procedure, data or area of expertise is outside your level of competence</p> <p>Liaise and work with key health professionals and/or multidisciplinary team members and the individual to rectify poor responses to oxygen therapy</p> <p>Ensure regular follow-up is organised in line with national and local guidelines</p>
How to handle information and maintain the confidentiality of records	Record information in line with organisational requirements and maintain the rights of individuals and principles of confidentiality
Endorsement of the unit by a sector or other appropriate body (if required)	COPD Strategy Group/DH England; respiratory education providers