

## COPD Units of Learning

<p>Title of overarching NOS: <b>CHS179: Advise on requirements for choice of therapeutic intervention</b></p> <p><b>CHS199: Evaluate new and existing products, equipment, medical devices and associated systems in healthcare</b></p>	<p>Unit to demonstrate competence: Undertake a review of nebulisation therapy for individuals with COPD and other respiratory diseases</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 reviewing current practices</p> <p>Users will be able to make recommendations for change to the organisational guidelines for nebuliser therapy for COPD and other respiratory disease management from their evidence based evaluations</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)</p>
<p>The current national and local guidelines policies and protocols for prescribed nebulisation therapy relevant to individuals with COPD and other respiratory diseases</p>	<p>Demonstrate an understanding of the current national and local guidelines, policies and protocols for nebulisation therapy for individuals with COPD and other respiratory diseases</p> <p>Review evidence based research on current and emerging inhalers, delivery devices and medication for COPD and other respiratory disease management</p> <p>Work collaboratively with health professionals to integrate current policy, research and clinical guidelines into nebulisation therapy for individuals with COPD and other respiratory diseases</p>

<p>Why a patient history is important to inform the review of effective therapy</p>	<p>Work collaboratively with the individual to obtain appropriate and necessary background information to allow the review of nebulisation therapy to proceed effectively using appropriate methodologies to identify :</p> <ul style="list-style-type: none"> <li>a) any pre-morbid capabilities of the individuals</li> <li>b) any pre-existing conditions that may influence the review of effective therapy;</li> <li>c) the circumstances that led up to the presenting condition requiring nebulisation therapy support</li> <li>d) any home/care circumstances, recent changes in health and well being or other influencing factors</li> </ul>
<p>The importance of the individual's compliance with prescribed nebulisation therapy</p>	<p>Demonstrate an understanding of the expected outcomes from medications used in nebulisation therapies for individuals with COPD and other respiratory diseases</p> <p>Clearly demonstrate to individuals with COPD and other respiratory diseases how to use the chosen nebuliser.</p> <p>Support the demonstration with pictorial/ written instruction depending on the needs of each individual.</p> <p>Consider the individuals compliance</p> <p>Review the individuals clinical data to detect any improvement or deterioration in lung function</p> <p>Check the individual's nebuliser matches the prescription requirements e.g. type, dose of medication</p>
<p>The side effects and interactions of nebulised bronchodilators used in the context of COPD exacerbations</p>	<p>Focus on the person as an individual through effective listening and feeding back to gain their understanding of their prescribed nebulisation therapy</p> <p>Ask the individual to explain their experiences, any side effects, problems or difficulties with their prescribed nebulisation therapy</p> <p>Provide support and time to individuals who wish to express their worries, concerns and/or preferences about their nebulisation therapy</p> <p>Where appropriate, observe the individual during nebulisation therapy and rectify any errors in delivery</p>

<p>The importance of learning tools for nebuliser therapy</p>	<p>Work collaboratively with health professional and individuals with COPD and other respiratory diseases to evaluate the provision of learning tools for effective nebulisation techniques and outcomes</p> <p>Make recommendations for any revisions to the learning tools regarding nebulisation to meet emerging data and the individuals needs</p>
<p>How to evaluate nebulisation therapy for individuals with COPD</p>	<p>Clearly explain the importance of using evidence based information when undertaking a review of current clinical practices</p> <p>Work collaboratively with health professionals to evaluate evidence based information and data to establish the efficacy of nebulisation for individuals with COPD and other respiratory diseases through :</p> <ul style="list-style-type: none"> <li>a) Evaluation of the side effects and</li> <li>b) Balance the information obtained regarding the individual's nebuliser experiences against the individual's COPD exacerbations and desired lung function</li> <li>c) Review the information regarding the individuals compliance</li> <li>d) Review the clinical data and information to assess whether nebulisation therapy is meeting the expected clinical outcomes for the individual with COPD</li> <li>e) Review any recorded side effects, complications and/or any adverse events or therapy interactions of nebulised bronchodilators</li> <li>f) Review evidence of poor/ unplanned performance of nebulisers and/or their associated delivery equipment</li> <li>g) Draw conclusions on suitable nebuliser therapy for the individual</li> </ul>
<p>Clinical guidelines for nebulisation therapy in COPD and other respiratory disease management</p>	<p>Work with health professionals to review the existing clinical guidelines for nebulisation therapy for individuals with COPD and other respiratory diseases, making evidence based revisions where appropriate</p> <p>Work collaboratively with colleagues to agree any revised prescribing protocols for nebulisation therapy for individuals with COPD and other respiratory diseases</p> <p>Work with colleagues to review the suitability of the prescribed nebulisation therapy to</p>

	meet the individual's health and well being needs and stage of COPD and other respiratory diseases
Providing information, advice and guidance	<p>Share information on nebuliser prescribing protocols, reviews and findings with health professionals involved in COPD management in a timely manner</p> <p>Work collaboratively with colleagues on the suitability of information, advice and guidance available to individuals with COPD and their carers</p> <p>Make any necessary adjustments to the information for individuals with COPD and check their understanding</p>
Handle information and maintain records	<p>Document key points and decisions arising from the review and evaluation, clearly identifying any specific influencing factors and action points</p> <p>Record information clearly and accurately in line with local protocols in a timely manner</p>
How to communicate in an effective manner	Communicate in a manner that meets health professionals and the individuals with COPD and other respiratory disease needs, respects their dignity and values their contribution
The importance of working in partnership with individuals/carers and health professionals	<p>Share the findings from the review of nebulisation therapy with colleagues, multi-professional teams and relevant healthcare sectors to inform decisions for any changes to the types of nebuliser, their associated medications and delivery devices for individuals with COPD and other respiratory diseases</p> <p>Work collaboratively with health professionals and suppliers to discuss the outcomes of the review of nebuliser therapy in a timely manner</p> <p>Consult with key professional colleagues on any recommendations for changes to existing guidelines, policies and protocols to identify the best options for nebuliser therapy to meet the current and future needs of individuals with COPD and other respiratory diseases</p>
Endorsement of the unit by a sector or other appropriate body (if required)	COPD Strategy Group/DH England; respiratory education providers