

## COPD Units of Learning

<p>Title of overarching NOS:  <b>HCS6 Perform a range of procedures to monitor/support physiological response to modify function, performance or therapy;</b>  <b>CHS 225 Implement a treatment plan</b></p>	<p>Unit of learning to demonstrate competence:  <b>Deliver invasive ventilatory therapy to individuals with COPD and other respiratory diseases</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 delivering invasive ventilatory therapy within COPD and other respiratory disease services</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>How altered lung mechanics increase the work of breathing</p>	<p>Describe and clearly explain to the individual/carer or authorised third party how altered lung mechanics can affect breathing</p> <p>Outline to the individual/carer how invasive ventilation helps improve the levels of oxygen and reduce carbon dioxide for individuals with COPD and other respiratory diseases</p>
<p>The importance of checking the individuals identity and gaining valid consent</p>	<p>Check the individual's identity and obtain valid consent for the treatment from the individual or authorised third party</p>
<p>The application of invasive ventilation for individuals with COPD and other respiratory diseases</p>	<p>Describe the clinical symptoms and the range of presenting conditions indicating the need for invasive ventilation across the stages of COPD and other respiratory diseases</p> <p>Determine the extent of breathing difficulties from the individual's clinical presentation</p> <p>Demonstrate an understanding of the assessment of need for invasive ventilation therapy and confirm the requirement for invasive ventilatory support from key health professionals</p>

	<p>Clearly explain to the individual how invasive ventilation may help their management of an exacerbation and provide extra support with breathing and check their understanding</p> <p>Describe and clearly explain to the individual/carer the signs of successful ventilation</p>
Invasive ventilation equipment checks	<p>Describe the range of threshold measurements to determine effective equipment operational effectiveness and how to recognise signs of malfunction and where to seek assistance</p> <p>Check the equipment is set up correctly and the required performance checks have been completed satisfactorily in line with approved policy and protocols</p> <p>Ensure the invasive ventilation compressor equipment is fit for use and the interface requirements for the individual are suitable and positioned correctly for safe and effective use</p>
The sedation, suctioning and positioning requirements for ventilated individuals	<p>Describe the requirements for sedation suctioning and positioning of ventilated individuals to enable effective and safe ventilation</p> <p>Outline the most common problems and issues encountered with invasive ventilation therapy and the steps required to minimise these</p> <p>Undertake sedation of the individual or refer to professional colleagues if this is outside your level of responsibility</p> <p>Check the individual is satisfactorily sedated according to the prescribed option</p> <p>Link the individual to the invasive ventilatory equipment in the correct manner</p> <p>Carry out suctioning to clear the airways for invasive ventilation therapy and maintain clear airways during ventilation</p> <p>Position the individual correctly to maintain the maximum benefits from invasive ventilation therapy</p>

Monitoring individuals on invasive ventilation	<p>Consult with professional colleagues on the duration and monitoring requirements for the individual in line with local and national guidelines, policies and protocols</p> <p>Observe, record and document the individuals clinical status using appropriate monitoring tools to assess ventilation and lung function throughout the invasive therapy</p> <p>Make appropriate adjustments to the ventilation therapy to achieve the required ventilation in line with local and national guidelines, policies and protocols</p> <p>From the monitoring data and clinical signs identify when successful ventilation has been achieved and report findings to appropriate colleagues</p> <p>Work with professional colleagues to assess whether the individual no longer requires invasive ventilation therapy</p>
Removing invasive ventilation	<p>Describe the clinical criteria and circumstances to halt invasive ventilation</p> <p>Describe the steps involved in the removal of the equipment and the management of the individual during this process</p>
Liaising and collaborative working with professional colleagues to manage individuals on invasive ventilation	Refer/liaise and work collaboratively with professional colleagues when or if complications or issues arise during the implementation of invasive ventilation equipment
Health, safety and infection control measures	Apply relevant health and safety and infection control measures during invasive ventilatory therapy
How to communicate in an effective manner	<p>Communicate in a manner that meets the individuals needs and respects dignity, confidentiality and values their contribution</p> <p>Share information with professional colleagues in a timely manner through effective communication</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

Seek advice	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
Endorsement of the unit by a sector or other appropriate body (if required)	COPD Strategy Group/DH England; respiratory education providers