## Clinical Considerations for Neuromuscular Disease (NMD) Patients

ATTENTION CLINICIAN:	, has a NMD with respiratory muscle weakness
and requires mechanical/assisted ventilation and other res	
This document is shared in the spirit of positive collaboration individuals without NMD may unfortunately harm individuals	·
This individual and/or his or her NMD care team are experiendoes and does not work.	nced in NMD respiratory involvement and have learned wha
General Respiratory Involvement Info.:	
Respiratory muscle weakness:	
<ul> <li>Affects muscles between ribs, diaphragm, and some</li> <li>Can cause orthopnea (discomfort and difficulty brea</li> <li>A semi-reclined position may be required along wit therapy.</li> </ul>	
<ul> <li>Mechanical/assisted ventilation:</li> <li>Assists ventilation (movement of air into and out of Corrects oxygen and carbon dioxide gas exchange at Can be used continuously via a mask, mouthpiece, or</li> </ul>	onormalities
<ul> <li>Manual and mechanically assisted cough:</li> <li>Assists a weak and/or ineffective cough</li> <li>Clears airway secretions and can prevent infection</li> </ul>	
<ul> <li>Narrow, restricted airway can cause:</li> <li>Difficult intubation and need for smaller endotrache</li> </ul>	al tube
<ul> <li>Reduced lung volume results from:</li> <li>Areas of micro-atelectasis (small areas of collapse) in</li> <li>Skeletal abnormalities such as scoliosis (progressive)</li> </ul>	_
Beware of:	
<ul> <li>Supplemental oxygen – If given without the individual's</li> <li>Decreased responsiveness</li> <li>Hypercapnia (an increased level carbon dioxide in th</li> <li>Suppressed respiratory drive, which can be <u>life-thread</u></li> </ul>	e blood and lungs)
• <b>General anesthesia medications</b> – Certain ones can caus hyperthermia.	se life-threatening complications such as malignant
• Narcotics, sedatives, and opioids can cause - Potentially mechanical/assisted ventilation is not in use	life-threatening suppression of breathing, especially when
Discussion with this individual and his or her NMD care	e team is encouraged.
Notes:	