

Statement of Need

Cough Assist

Background:

The Lebanon VA Medical Center (LVAMC) has a need to acquire a CoughAssist T70 device. The Lebanon VA has had numerous requests for ALS patient admission to our Hospice Unit. ALS is a neuromuscular disease that inhibits the patient's ability to cough on their own. Patients with ALS are utilizing this type of therapy in their homes prior to admission to our facility. Currently, we are not able to maintain the therapies here in Lebanon that the patient is able to obtain at home per the Hospice requirement in *VHA Handbook 1101.07 Amyotrophic Lateral Sclerosis (ALS) System of Care Procedures*.

Scope of Work:

The cough assist device must create an insufflation and exsufflation shift in pressures to create a high expiratory flow that stimulates a deep, natural cough. The device shall have Cough-Trak automatic sensitivity which allows it to synchronize with the user's breathing pattern and creates a more comfortable treatment.

Salient Characteristics:

- Parameters/Capabilities
 - The units shall have manual and auto modes which allow for at least 3 presets.
 - The units shall have Cough-Trak triggering which allows for patient synchronization.
 - The units shall have a maximum pressure of 70cmH₂O and a minimum pressure of -70cmH₂O.
 - The units shall have an inspiratory time range from 0 to 5 seconds and an expiratory time range from 0 to 5 seconds.
 - The units shall have a pause time range from 0 to 5 seconds in some modes.

Performance Requirements:

The CoughAssist shall be able to provide in-exsufflation with inspiratory and expiratory time ranges from 0 seconds to 5 seconds. The unit should allow both manual and auto modes with the ability to utilize Cough-Trak for patient synchronization. Rolling stands should accompany the units.

Delivery: 10 DAYS ARO

The purchase of (2) CoughAssists with rolling stands and accessories shall be delivered to the Lebanon VAMC located at 1700 south Lincoln Avenue, Lebanon, PA 17042; Attn: Warehouse. BioMedical Engineering will need to perform a safety check and enter the equipment into the system for annual Preventative Maintenance (PM) checks. Placement within the LVAMC Respiratory Department shall be coordinated through the contracting officer.