Hillrom™

Oscillation and Lung Expansion (OLE) Therapy in Acute Care

Your acute care patients deserve an effective airway clearance solution

We developed Oscillation and Lung Expansion (OLE) Therapy for their needs.

Your patients are unique and can have many types of pulmonary complications. Multiple patient types receive OLE Therapy with The MetaNeb® System to prevent and treat pulmonary complications, resulting in numerous clinical outcome improvements.

REPEAT CYCLE ONCE

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Our OLE therapy cycle takes just 10 minutes to deliver.

The MetaNeb® System alternates cycles of continuous positive expiratory pressure (CPEP) and continuous high frequency oscillation (CHFO) combined with aerosol delivery to help maximize therapy effectiveness.

BENEFITS

- Introduces CHFO therapy immediately after lungs have been expanded through CPEP
- Delivers aerosol during both lung expansion and secretion clearance
- By combining three therapies into one treatment, therapy times my be reduced compared to other modalities.
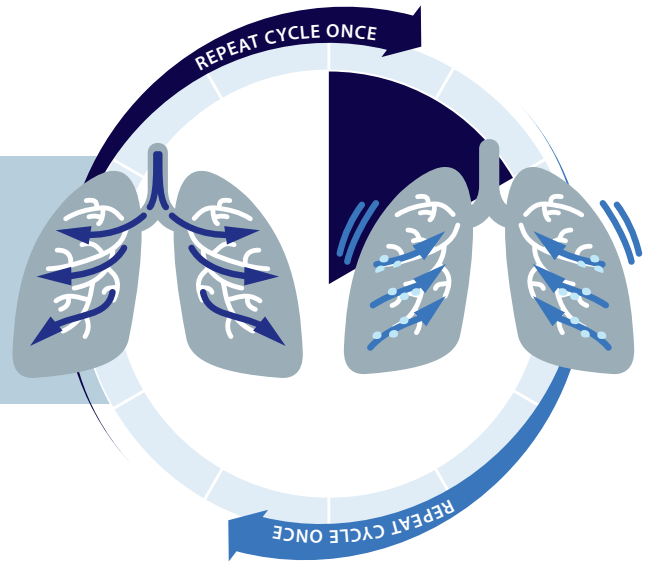
Delivery Interface

OLE Therapy delivery can be customized to meet your patients' needs. In a survey of current MetaNeb System customers, when asked to select all the interface types they are currently using, they told us the following:[1]

93% Mouthpiece

45% Cushion mask

77% In-line with ventilator

7% Flanged mouthpiece

68% Trach adaptor

A variety of interfaces are used with patients throughout the hospital to deliver OLE Therapy for improved patient outcomes.

OLE Therapy is used across the hospital

OLE Therapy meets the needs of your patients in many unique care environments — from admission to discharge. But there is more to the story — the critical nature and prevalence of the disease states is also an important part of the picture.

Care Environments

We asked our customers in which care settings they are using OLE Therapy today.

ICU 84%
Med/Surg 73%
Specialty ICU 61%
Emergency 11%
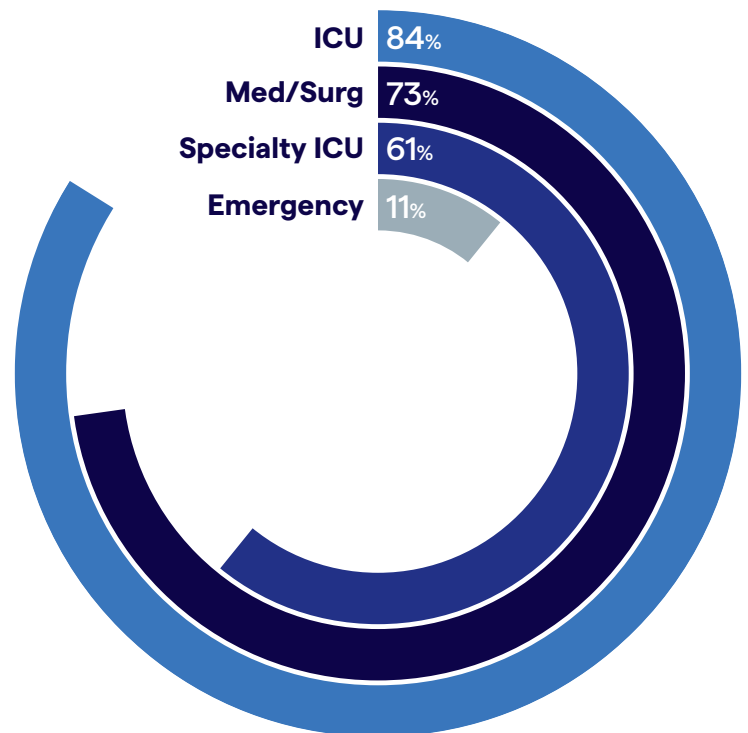
Additional areas of care include: Burn, CF Clinic, Intermediate care, Rehab, and Sub-acute/long-term unit

Patient Needs by Care Environment

ICU	MEDICAL/SURGICAL	EMERGENCY
Most patients admitted to the Intensive Care Unit require some form of respiratory support.[2]	Patients in the Medical/Surgical Unit are commonly at risk for respiratory compromise due to a weakened immune system from a chronic or hospital-acquired condition.[4]	Many patients are admitted to the hospital through the emergency department. Many of these patients suffer from respiratory distress.

ICU
- Hospital ICU admissions have increased to 5.7 million[3]
- 39.5% of ICU patients are on a ventilator

EMERGENCY
- Number of visits: 145.6 million[5]
- ED visits resulting in hospital admission: 12.6 million[5]
- ED resulting in admission to critical care unit: 2.2 million[5]
- Pneumonia and other respiratory conditions were top-ranked reasons for admission after an ED visit[6]

Many patient types receive and benefit from OLE therapy

From trauma patients to chronic patients, OLE Therapy has been proven to improve outcomes for your most critical patients across the hospital.

PATIENTS BENEFIT FROM OLE THERAPY

Clinical studies and case reports have shown these patient types experience improved outcomes and benefit from therapy.

Patient Type	Improved secretion volumes[7]	Reduced hospital length of stay by 1.5 days or longer[7]	Successful ventilator weaning[7]	64% time reduction on the ventilator[8]
PNEUMONIA		■		
POST-OP		■	■	■
COPD	■			
TRAUMA		■		
NEURO	■			
PEDIATRICS	■			
ADDITIONAL	Burn, BE	Burn, Cystic Fibrosis		

PATIENT TYPE SUITABLE FOR THERAPY

In a recent survey, we asked respondents what patient populations receive MetaNeb® therapy in their facility and to select all that apply.

82% Pneumonia

75% Post-Op

55% COPD

55% Trauma

32% Neuro

30% Pediatrics
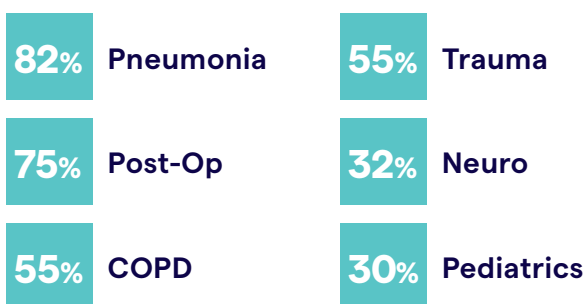
Additional patient populations included: Burn, Bronchiectasis (BE), Cystic Fibrosis, Spinal Cord, Stroke and Transplant

Hillrom™

ABOUT HILLROM

Hillrom is a global medical technology leader whose 10,000 employees have a single purpose: enhancing outcomes for patients and their caregivers by advancing connected care. Around the world, our innovations touch over 7 million patients each day. They help enable earlier diagnosis and treatment, optimize surgical efficiency and accelerate patient recovery while simplifying clinical communication and shifting care closer to home. We make these outcomes possible through connected smart beds, patient lifts, patient assessment and monitoring technologies, caregiver collaboration tools, respiratory care devices, advanced operating room equipment and more, delivering actionable, real-time insights at the point of care. Learn more at hillrom.com.

For more information or to place an order, please contact your local Hillrom sales representative or call Hillrom Customer Service at 1-800-426-4224.

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