How does The Vest® Airway Clearance System work?

Through High Frequency Chest Wall Oscillation technology, The Vest® Airway Clearance System dislodges mucus from the bronchial walls, and mobilizes secretions and mucus from the smaller to larger airways where it can be cleared by coughing or suctioning.
What does The Vest® System mean to clinicians?

Designed with Acute and Long-Term Respiratory Care in mind, The Vest® Airway Clearance System provides clinicians with the following advantages:

**Easy**

- No need to reposition the patient compared to CPT.
- Reduces average therapy time compared to CPT.1
- Increased compliance to therapy compared to CPT in pediatric patients.2,3

**Safe**

- Proven to be at least as safe as CPT.4
- No need to change head-of-bed into Trendelenburg position.
- Disposable Single Patient Use options.

**Effective**

- Mobilizes secretions as well as CPT.5,6,7
- Provides consistent therapy every time.

What Studies Show

The Vest® Airway Clearance System, the original High Frequency Chest Wall Oscillation (HFCWO) device, has been in use since 1988. With over 80 clinical studies having been conducted in Acute Care, Long-Term Care and Home Care, it is the most researched HFCWO system on the market today.

<table>
<thead>
<tr>
<th>Commercial Claims*</th>
<th>Medicare Claims*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10.0%</strong> overall Per Member Per Month (PMPM) claim costs <em>(excluding RX)</em>.</td>
<td><strong>8.2%</strong> overall PMPM claim costs.</td>
</tr>
<tr>
<td><strong>21.3%</strong> inpatient admissions per 1,000.</td>
<td><strong>16.1%</strong> inpatient admissions per 1,000.</td>
</tr>
<tr>
<td><strong>38.3%</strong> inpatient days per 1,000.</td>
<td><strong>37.8%</strong> inpatient days per 1,000.</td>
</tr>
<tr>
<td><strong>11.6 to 9.1 days</strong> DECREASE in average length of stay.</td>
<td><strong>10.1 to 7.5 days</strong> DECREASE in average length of stay.</td>
</tr>
</tbody>
</table>

*Rent Program
Cost Savings

The analysis covered 446 neuromuscular disease patients that had received HFCWO therapy between 2007 and 2009 comparing health care costs incurred before and after HFCWO therapy intervention. The results of the study show lower claim costs for patients with neuromuscular disorders after the initial insurance claim for HFCWO.

* This report was prepared by Milliman for Hill-Rom on January 16, 2012. The results in this report are technical in nature and are dependent upon specific assumptions and methods. A complete copy of the report is available from Hill-Rom upon request.
What types of patients may benefit?

The Vest® Airway Clearance System has been demonstrated to benefit patients in the removal of retained secretions due to both acute and chronic respiratory conditions.

**Secretion retention associated with impaired ventilation and/or gas exchange:**
- Atelectasis, pulmonary infiltrates or pneumonia
- Mechanical ventilation
- Acute respiratory distress syndrome (ARDS)
- Pulmonary insufficiency

**Ineffective cough or secretion clearance due to immobility, deconditioning or muscle weakness:**
- Obesity
- Cerebral palsy
- Quadriplegia and/or Quadriparesis
- Dyspnea
- Motor neuron disease
- Muscular dystrophies and other myopathies

**Airway clearance dysfunction resulting in impaired ventilation and/or gas exchange:**
- Bronchiectasis
- Chronic Bronchitis
- Cystic Fibrosis
- Emphysema
- Chronic Obstructive Pulmonary Disease (COPD)

The Vest® Airway Clearance System is not intended to treat any specific underlying disease or condition, but rather to provide Airway Clearance Therapy. Physicians have prescribed The Vest® Airway Clearance System for patients with the conditions noted above. Numerous clinical studies document the effectiveness of The Vest® Airway Clearance System in mobilizing secretions.

What hospital departments or units may use The Vest® Airway Clearance System?

- Respiratory Care
- ICU
- Nursing
- Sub Acute Unit
- Critical Care
- Surgical/Post Surgical Unit
- Physical Therapy
- Step Down Unit
## Ordering The Vest® System Therapy for Acute Care Use

3 programs to choose from:
- Purchase Program
- Lease to Own Programs
- Rental Program

To order today, call 800-426-4224 or contact your local sales representative.

## Accessories

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>DISPOSABLE WRAP SPU VEST</th>
<th>DISPOSABLE FULL SPU VEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>Description</td>
<td>Color Code</td>
</tr>
<tr>
<td>200495000</td>
<td>Air Hose</td>
<td>P300629000</td>
</tr>
<tr>
<td>P004982</td>
<td>Air Hose, Disposable (1 hose)</td>
<td>P300630000</td>
</tr>
<tr>
<td>P0049825</td>
<td>Air Hose, Disposable (10 pack)</td>
<td>P300631000</td>
</tr>
<tr>
<td>142319</td>
<td>Power Cord</td>
<td>P300633000</td>
</tr>
<tr>
<td>142322</td>
<td>Remote Control Assembly</td>
<td>P300630005</td>
</tr>
<tr>
<td>140643</td>
<td>User Manual, Model 205</td>
<td>P300632005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300633000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300634000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300631000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300632000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300633000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300634005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P300600005</td>
</tr>
</tbody>
</table>
Hill-Rom is a leading global medical technology company with more than 10,000 employees worldwide. We partner with health care providers in more than 100 countries, across all care settings, by focusing on patient care solutions that improve clinical and economic outcomes in five core areas: Advancing Mobility, Wound Care and Prevention, Patient Monitoring and Diagnostics, Surgical Safety and Efficiency and Respiratory Health. Hill-Rom’s people, products and programs work towards one mission: Every day, around the world, we enhance outcomes for patients and their caregivers.