

Hill-Rom TotalCare SpO₂RT® Pulmonary Therapy System



At a glance

- **Integrated therapies help improve patient outcomes and comfort**
 - CLRT, percussion and vibration therapies help prevent and treat facility-acquired pulmonary complications
 - Two-layer cushioned therapeutic surface maintains optimal, zoned pressure relief to aid in the prevention and treatment of pressure ulcers during all therapy modes
 - FullChair® mechanism assists with patient mobility and with compliance to “up-in-chair” orders
 - Opti-Rest wave-like motion offers a more comfortable environment for the patient
- **Intuitive bed system helps increase caregiver productivity and safety**
 - The modular pulmonary therapies can be easily and quickly engaged by one caregiver
 - Turn Assist, FullChair and egress patient positioning mechanisms facilitate easier patient handling with fewer caregivers and helps reduce the risk of injury
 - Point-of-Care® siderail controls and the Graphical Caregiver Interface (GCI®) are easy-to-use and provide efficient access to the necessary bed system controls
 - OneStep® Siderail release, HandsFree emergency CPR and Trendelenburg release mechanisms enable efficient care, even from the chair position
 - IntelliDrive® mechanism (optional) offers power-assisted transport and maneuverability of the bed within and outside of the patient room

Designed to help improve caregiver safety while delivering quality patient care

Managing immobile patients can exact a lasting physical toll on the caregiving staff.

- The rate of U.S. hospital injuries is 8.9 per 100 full-time employee.¹
- Strains and sprains account for 59 percent to 66 percent of these injuries and approximately 80 percent of lost time and injury costs.²
- Patient handling duties have been identified as the cause of approximately 68 percent of sprains and strains to nurses.³
- The point prevalence of back pain among nurses is 17 percent and the lifetime prevalence is 43 percent to 76 percent.⁴

The TotalCare SpO₂RT system can provide the support you need by helping to mobilize patients and to reduce the risk of injury to caregivers.

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Engineered with the help of caregivers to improve the quality of patient care

The negative effects of immobility on the patient are well documented. For example, ventilator-associated pneumonia (VAP) has been reported by the US Centers for Disease Control and Prevention to account for 15 percent of all healthcare-associated infections and is the leading cause of death from facility-acquired infections, resulting in direct costs, estimated at \$1.2 billion per year in the US.⁵

In two of the largest and most recent studies of their kind, from the US and Europe, the prevalence of (VAP) has been found to be linked to poor clinical and economic outcomes.^{6,7}

- VAP occurred in nearly 10 percent of ventilated patients and accounts for 40 percent of hospital acquired infections in ICU.
- VAP had an attributable mortality rate of 27 - 42.8 percent.
- Length of stay in the ICU increased 6.1 to 13 days with hospital stay increased up to 10.9 days.
- An increase of approximately \$40,000 per patient was attributed to VAP.



Aiding patients who are suffering from the effects of immobility requires a comprehensive approach to address their needs. A complete pulmonary therapy system combined with a proactive program to mobilize the patient may offer improved opportunities for recovery.

Improved outcomes require a comprehensive approach

Designed with the help of physicians, nurses respiratory and physical therapists, the TotalCare SpO₂RT therapy system helps address the effects of immobility and enables caregiving staff to help safely and efficiently mobilize their patients at any point in the clinical pathway.



CLRT and Percussion/Vibration therapies have been demonstrated to be effective in helping reduce pulmonary complications. Results from a outcome initiatives include:^{8,9}

- 18 percent decrease in hospital length of stay
- 22 percent decrease in ICU length of stay
- 26 percent decrease in days on the ventilator
- \$2.2 million fewer hospital charges for CLRT patients
- VAP rate decreased by 7.3% over a leading competitive product

The Therapy-on-Demand® modules help the caregiver easily initiate these therapies when needed.

