A Challenge as Old as Nursing

Patient repositioning has long been viewed as a struggle for both caregivers and patients. One of the first nursing textbooks, *Nursing: its principles and practice*, referenced a nurse’s back injury caused by improper patient repositioning. In 1898, when *Nursing* was published, it was common to blame the injured caregiver.

Fast forward 120 years, and repositioning struggles have changed little. Average patient weight is greater than ever, and healthcare workers suffer among the highest rates of work-related injuries. Hospitals are more aware of the risk—and often require “lift teams” or specialized equipment to hoist patients out of bed. Not only do the caregiver and patient still risk injury, the process itself can be uncomfortable, unsafe, undignified, and time-consuming.

The burden to staff means patients are not moved as frequently as they should be (some experts recommend 11 times daily). Lack of proper boosting can lead to expensive hospital-acquired pressure injuries (HAPIs) and a drop in patient satisfaction.

Hercules Patient Repositioner™ is a breakthrough in safe patient handling technology. With Hercules, one caregiver can safely boost a patient in bed within seconds—every time they enter the room.

*Your patients and your back will thank you.*
Obesity Trends

From 1999 through 2014, the Centers for Disease Control and Prevention noted a 23.6 percent increase in adult obesity rates.

Source: CDC National Center for Health Statistics, Nov. 2015

Injury Rates for Select Occupations

Nonfatal work-related musculoskeletal injuries create lost work days. Studies show many caregiver injuries are the result of repetitive lifting.


The Cost of HAPIs

In 2008, the Centers for Medicare and Medicaid Services (CMS) reduced payments for hospital-acquired pressure injuries (HAPIs), shifting this cost and responsibility to hospitals.


- **$9-11 billion** annual estimate
- **$70k-$150k** for each Stage 3 or 4 PI
- **$250k+** per settlement
Hercules: Reporting for Duty

Using Hercules Patient Repositioner™, one caregiver can safely reposition a patient in seconds. The patient lies on a soft sheet pulled by an easy-to-use drive, boosting the patient up in bed with the simple push of a button. This process preserves the patient’s dignity—and protects the caregiver’s back.

For surfaces, choose between foam and air. Our foam mattress uses a reactive pressure redistribution system to prevent injuries that often form when a patient remains static for too long. And our low air loss surface stimulates capillary blood flow to the skin, keeping the patient cool and dry using pulsation therapy. Both provide optimal comfort and healing.

As Easy as One, Two, Three

Hold down two buttons on drive unit

Sheet boosts patient in 10 seconds or less

Release buttons; sheet adjusts to eliminate tension
### Hercules Patient Repositioner™ vs. Air Hercules Patient Repositioner™

<table>
<thead>
<tr>
<th>Feature</th>
<th>Hercules Patient Repositioner™</th>
<th>Air Hercules Patient Repositioner™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight Capacity</td>
<td>750 lbs.</td>
<td>750 lbs.</td>
</tr>
<tr>
<td>Size(s)</td>
<td>39”W x 90”L</td>
<td>39”, 48”W x 90”L</td>
</tr>
<tr>
<td>Therapy Mode</td>
<td>Reactive Pressure Redistribution</td>
<td>Pulsation</td>
</tr>
</tbody>
</table>

### Compatible Bed Frames

- Bari Rehab Platform 2™
- Bari Rehab Platform 3™
- Alliance™
- Bari Classic™
- Evolution®
- Low Boy®

### The Sheet

A special 16-foot sheet boosts the patient 8-10 times before resetting. The synthetic fabric is soft, lint-free, and breathable—a drier alternative to traditional cotton-blend sheets. Clips help the sheet slide along the support surface with the patient, reducing or eliminating friction and shear.
Evidence-Based Outcomes

Over a 12-month period, three hospitals used Hercules™ and experienced:

- Caregiver Injuries ▶ 67%
- Lost Work Days ▶ 75%
- Light Duty Assignments ▶ 75%
- Hospital-Acquired Pressure Injuries ▶ 86%
- Employee Satisfaction ▲ 21%

Win-Win-Win: Hercules Helps...

<table>
<thead>
<tr>
<th>Safe Patient Handling</th>
<th>One caregiver can effortlessly reposition patient without lifting, pulling, or tugging.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAPI Prevention</td>
<td>Reposition patient every time caregiver enters the room; keep patient in a low-pressure, comfortable position.</td>
</tr>
<tr>
<td>Lift Team Reduction</td>
<td>No waiting for a lift team; hospital saves resources for other patients in need.</td>
</tr>
<tr>
<td>Infection Control/Prevention</td>
<td>Reduce patient room traffic, keeping unnecessary staff away from patients with contact precautions; reduction in PPE use.</td>
</tr>
<tr>
<td>Magnet® Status</td>
<td>Demonstrates commitment to nursing quality, improved outcomes, patient experience, and innovative technology.</td>
</tr>
<tr>
<td>Patient Satisfaction</td>
<td>Improves patient comfort and preserves dignity. No sling or lifting device needed.</td>
</tr>
</tbody>
</table>

Source: Case studies conducted by The Morel Company and used with permission. Outcomes from Reid Health (223-bed regional facility), The Christ Hospital (555-bed urban Magnet facility), and Memorial Hospital and Health Care Center (143-bed acute care facility).
A Value-Based Investment

Hercules™ saves your most expensive resource: staff time.

*Based on data gathered during customer trials.
**NIOSH recommends a max weight of 35 lbs. per caregiver

Boosting Helps Prevent Pressure Injuries

When a patient migrates down in bed, their sacrum and heels are exposed to greater pressure interface—causing discomfort and increasing the likelihood of pressure injuries. Frequent boosting helps keep patients in a low-pressure, comfortable position.

Note: Pressure Mapping shows male, 210 lbs., bed at 30° angle.
Nurses Say it Best

“At the beginning of your day, if you have a bariatric patient you’re saying to yourself, ‘I hope they’re on a Hercules system, because it’s going to help me all day long.’”
Chastity
Registered Nurse

“Our patients love the fact that two or three people don’t have to help move them up in their beds.”
LuAnne
Dir. of Quality

“The Hercules system is convenient because it’s always under the patient.”
Michael
Registered Nurse

“The success of Hercules was a significant component in [our hospital’s] Magnet submission and eventual recognition in 2015.”
Julie
Chief Nursing Officer

“I expected the result to be nurses experiencing fewer back injuries, but I didn’t anticipate that they would virtually disappear.”
Ann
Dir. of Critical Care