



## EasyShift™ Repositioning System

Provides an automated, mattress overlay repositioning solution that is high tech and low touch. Enabling healthcare professionals to electronically reposition a patient safely and effectively while maintaining patient sense of security, privacy, dignity and safety.

The power to manage patient repositioning.

The power to limit staff musculoskeletal injury due to repositioning.

The power to manage compliance with patient quality outcomes.

Patient repositioning at the push of a button, to improve patient outcomes, limit staff injury and manage financial outcomes.

## Ensures Patient and Staff Safety Simultaneously

Safe patient handling programs have established that patients have fewer skin tears and pressure ulcers from the use of mechanical repositioning equipment. Patients feel significantly more comfortable when mechanical repositioning devices are utilized.<sup>1</sup>

Health professionals carry the burden and risk in repositioning patients in order to effectively manage patients care and clinical outcomes.

1. Nursing clinicians carry one of the highest incidences of musculoskeletal injury related to patient handling activities.<sup>2</sup> (U.S. Bureau of Labor Statistics)
2. Nurses feel at risk of injury 42% of the time and 53% feel musculoskeletal pain, accounting for the main reason nurses leave their jobs.<sup>3</sup> (American Nurses Association)
3. Hospital costs to replace 1 nurse is up to \$103,000.<sup>3,7</sup> (American Nurses Association)
4. The National Institute for Occupational Safety and Health (NIOSH) has recommended a 35-LB maximum weight limit for care givers in patient handling tasks.<sup>5</sup>

Workers compensation costs can be reduced by 85% - 92% through implementation of Safe Patient Handling and Mobility programs, thereby reducing lost workdays by 76%.<sup>6</sup>

1. National survey of 1000 hospitals identified that patient handling injuries accounted for 25% of all workers compensation claims in 2011.<sup>4</sup>
2. Patient handling injuries on average cost hospitals per healthcare personal \$15,600 in workers compensation claims.<sup>6</sup>
3. Easy-to-use mechanical devices reduce injuries. A 9 hospital study utilizing mechanical lifting devices reduced back injuries by 69% and lost work days by 90%.<sup>6</sup>

**In order to improve financial outcomes, manage patient safety, and reduce staff injury, healthcare organizations must proactively provide electronic patient positioning devices that limit caregiver direct touch while providing optimal patient care.**

### References:

<sup>1</sup> Facility Guidelines Institute, 2010, *Patient Handling and Movement Assessments: A white Paper*. 2010 Health Guidelines Revision Committee Specialty Subcommittee on Patient Movement. [www.fgiguideelines.org/pdfs/FGI\\_PHAMA\\_WHITEPAPER\\_042810.pdf](http://www.fgiguideelines.org/pdfs/FGI_PHAMA_WHITEPAPER_042810.pdf).

<sup>2</sup> US Bureau of Labor Statistics, 2012, [bls.gov/news.release](http://bls.gov/news.release)

<sup>3</sup> AJN: August 2007, Vol. 107, No.8

<sup>4</sup> AON Risk Solutions, 2012, *Health Care Workers Compensation Barometer*.

<sup>5</sup> National Institute for Occupational Safety and Health, 1981 (Revised 1994), *Work practices guide for manual lifting*. Cincinnati, OH: U.S. Department of Health and Human Services; Mar. DHHS (NIOSH) Publication No. 81-122

<sup>6</sup> Occupational Safety and Health Administration, 2013, *Safe Patient Handling Program*, [www.osha.gov](http://www.osha.gov)

<sup>7</sup> ANA, [www.aasphm.org](http://www.aasphm.org)



**EasyShift™** Designed and developed by clinicians and engineers through the biomedical engineering and nursing schools at Duke University. An innovative inflatable repositioning device that boosts and turns patients at the push of a button. The **EasyShift™** solution is a mattress overlay that works with leading hospital beds and mattresses.

## EasyShift™ Value Proposition

### Prevent Staff Injury

- Virtually eliminates the two leading causes of caregiver back strain in the hospital (boosting and turning)
- Integrates with other mobility devices - easily turn a patient of size to place a sling or transfer pad
- Pre-installed on the existing bed and mattress – always available when needed by the caregiver

### Ensure Patient Safety

- Makes it easier for nursing staff to turn patients frequently to manage pressure injuries
- Makes it easier for nursing staff to boost patients up in bed frequently to manage respiratory complications
- Automatically shifts the patient laterally during turning – helps patients of size avoid hitting the side rail
- Gentle, continuous inflation process protects patients with compromised skin by reducing rapid shear forces that can occur during manual repositioning
- A more dignified way to turn patients of size

### Reduce financial liability

- Reduce workmen's compensation payout
- Reduce time off work due to back injury
- Retain nursing staff
- Improve staff productivity
- Reduce payment penalties due to patient hospital-acquired skin injury

### Management of Quality Indicators

- Supports ANA Safe Patient Handling and Mobility Programs
- Supports OSHA Safe Patient Handling guidelines
- Compliance with state legislation guidelines on Safe Patient Handling

### Improved compliance with nursing process

- Single care provider repositioning device for patients up to 500lbs
- Ease of patient repositioning helps meet compliance with standards of nursing care
- "Limited touch" in patient repositioning assists in risk management and infection control protocols

## EasyShift™

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### For More Information

For more information about **EasyShift™** contact Seneca Devices Inc., [contact@senecadevices.com](mailto:contact@senecadevices.com), or [dlange@senecadevices.com](mailto:dlange@senecadevices.com), or call Seneca Devices Inc. at 1-844-4SENECA (1-844-473-6322).