Innovative Device Aids in Patient Boosting and Addresses SPHM Challenges

BACKGROUND

Mobilizing and repositioning patients significantly impacts healthcare workers' (HCWs) physical health representing the leading cause of musculoskeletal injuries, particularly of the back and shoulder, which make up 71% of all worker's compensation claims.[1]

OSHA estimates the annual cost of back injuries among HCWs could reach $20 billion annually.[2]

For patients, immobility can lead to complications such as muscle atrophy, pressure injuries, deep vein thrombosis, pneumonia, and other health issues that affect recovery and outcomes.[3] Early mobilization improves outcomes and reduces length of stay but is often delayed due to a lack of personnel and equipment. Despite the proven benefits, Safe Patient Handling and Mobility (SPHM) techniques and equipment remain underutilized.[4]

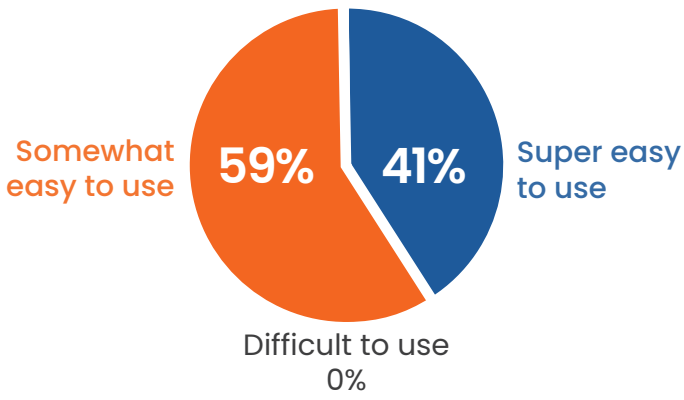
METHOD

In March of 2024, the EasyBoost™ Repositioning System (Seneca Devices, Durham, NC), a new SPH device was evaluated at a New York facility offering rehabilitation, skilled nursing, and long-term care. The EasyBoost is compatible with most hospital beds and attaches as a cushion that incrementally boosts the patient by a control unit operated by a single caregiver using a one-touch remote. **EasyBoost was evaluated over six months with data captured via a brief tablet survey by 64 healthcare workers.**

RESULTS

How easy was it to use the EasyBoost device?

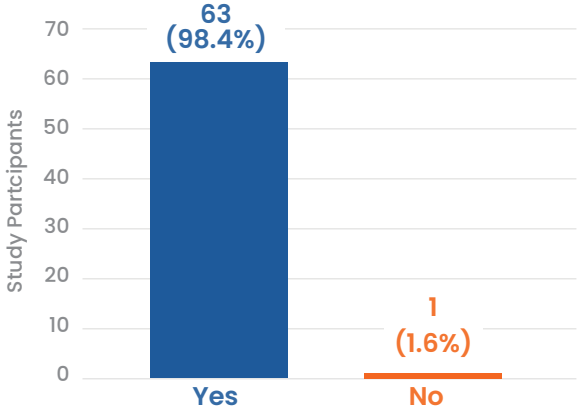
n=64



100% of users responded that the device was "super easy to use" or "somewhat easy to use" and with zero users selecting "difficult to use".

Did the EasyBoost repositioning device save you time?

n=64



98.4% of users responded that the device saved them time in boosting patients up in bed.

SENECA DEVICES

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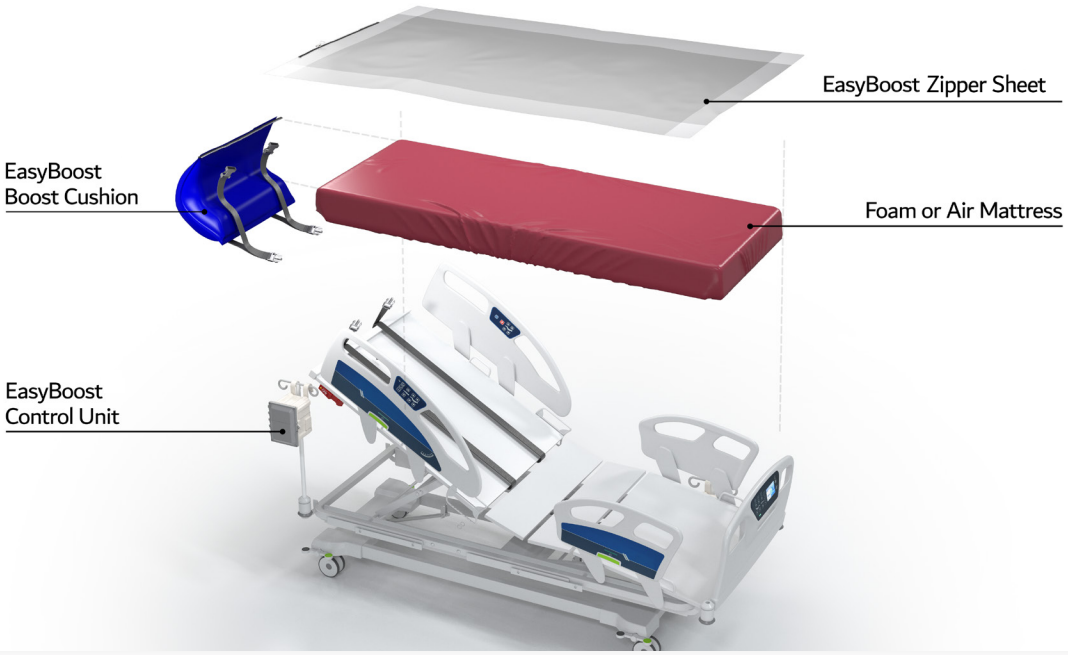
RECOMMENDATIONS FOR PRACTICE

This innovative device aids in patient boosting and addresses SPHM challenges. Healthcare workers found it easy to use and time-saving. While the survey did not measure back stress and strain, the product's elimination of manual effort could reduce physical strain on workers by accomplishing no-touch patient mobility.

"It is uncommon to find a medical device that not only enhances patient care but is also embraced enthusiastically by our nursing staff for daily use. In our experience, EasyBoost stands out as one of the **top 5% of solutions** we have evaluated at our facility."

– James Rosenman, CEO



Scan for Video

FOR MORE INFORMATION ON EASYBOOST PLEASE VISIT SENECADEVICES.COM

[1] Bureau of Labor statistics (BLS, 2018) https://www.bls.gov/opub/ted/2018/back-injuries-prominent-in-work-related-musculoskeletal-disorder-cases-in-2016.htm [2] OSHA 2021 https://www.osha.gov/healthcare/safe-patient-handling [3] Ernstmeyer K, Christman E, eds. Nursing Fundamentals. Eau Claire (WI): Chippewa Valley Technical College; 2021. Chapter 13 Mobility. Available from: https://www.ncbi.nlm.nih.gov/books/NBK591828/. [4] Kalisch BJ, Lee S, Dabney BW. Outcomes of inpatient mobilization: a literature review. J Clin Nurs. 2014 Jun;23(11-12):1486-501. doi: 10.1111/jocn.12315. Epub 2013 Sep 13. PMID: 24028657.

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