



4482 Innovation Way, Allentown, PA 18109 800.471.2776 www.HoverMatt.com

501 Sunset Lane, Culpeper, VA 22701

Engagement in the HoverTech HELP™ Program and Empowering Staff Assists UVA Culpeper Hospital Develop an Effective Safe Patient Handling Program

Situation

A need to reduce injuries by establishing a comprehensive Safe Patient Handling Program

UVA Culpeper Hospital is an acute care 70-bed, not-for-profit hospital that is owned by the University of Virginia Health System and is accredited by the Joint Commission. The Leapfrog Group has awarded UVA Culpeper Hospital with a Grade A Hospital Safety ScoreSM for keeping patients safe from preventable harm and medical errors over seven consecutive grading periods.

In 2013, the hospital was looking to improve its processes for safe patient handling (SPH). Improvements began with an employee incident-reporting program that allowed staff to report incidents related to worker safety. All incidents were communicated to the unit director and reported monthly at the Environment of Care Safety Meeting. The Safe Patient Handling (SPH) Task Force began working with the patient falls committee, increasing awareness of worker injury from the bedside to senior leadership. In 2014, work began to improve compliance with SPH best practices by partnering with unit staff to develop standards, evaluate equipment needs and subsequently purchase the equipment that would work best for staff and patients.

Implementation

Engaging staff to develop and communicate a simplified approach to select equipment drives compliance

In February 2014, utilizing HoverTech's HELPSM Health-care Ergonomic Lifting Program, the SPH Task Force conducted an assessment that highlighted the root cause of injuries within the hospital, as well as facility issues that would impede the use of patient handling equipment. Next, the hospital formed a Safe Patient Handling work group that included senior leadership, unit directors and finance specialists.

In May 2014, the SPH Task Force conducted a Policy and Procedure Workshop, a component of the HELP program, which was well supported by management and nursing staff. There were 22 attendees from eight units. During this session, the task force revised a draft policy that allowed staff to decide what equipment was appropriate for their unit's patient population. To determine equipment preferences, the staff developed criteria including ease of use, storage, effectiveness, weight limits and patient exclusions. Equipment had to be compatible with unit beds and stretchers, as well as fit into bathrooms and patient rooms. The final policy was structured to align with nursing practices and preferences.

The resulting policy and procedure (Care Matrix in Figure 1) now provides a simple framework for assessing patient dependency and pairing it with the right equipment. At the same time, it serves as a communication tool for staff and patients' families who are integral to the success of the overall program. To complete the documentation process, and further improve hand-offs between shifts, the nursing assessment was added to the electronic charting system.

The SPH Task Force developed a three-phase implementation plan, which is expected to take 2-3 years to implement. Each phase will include a unit-specific Care Matrix, equipment review, purchase and training. Phase 1 is complete and included Medical Surgical (MS), Cardiac Step Down (SD), Intensive Care Unit (ICU) and Ambulance (Amb.). Phase 2 is in process and includes the Emergency Department (ED) and Operating Room (OR), where the HoverMatt® Air Transfer System will be incorporated to replace slide boards. Phase 3 will entail reviewing the remaining high risk, low volume tasks in remaining units and an ongoing review of metrics, program revision, and training.



Results

Lateral transfer and boosting injuries and expenses significantly reduced with Phase 1 implementation

In Phase 1 of the implementation, the hospital saw more than a 90 percent reduction in injuries across all units with only one OSHA-recordable injury in the initial target units (MS, SD, ICU, Amb.). Additionally, from 2012 to 2014, the hospital saw a reduction of lost and restricted work days of 85 percent and 96 percent, respectively, in all units (Figure 2) with corresponding staff injury expenses reduced by 98 percent (Figure 3).

The success of the program is attributed to three factors: 1) nursing ownership of the program's development; 2) ownership of the program at all levels, from bedside to administration; and 3) nurses utilizing their collective experiences.

The Care Matrix provided a straightforward approach to develop the entire process, allowing staff to visualize the project in its entirety from conception to implementation. The Care Matrix is currently posted on the door of each patient room and has been effective at driving compliance.

Figure 1. Care Matrix
Safe Patient Handling G

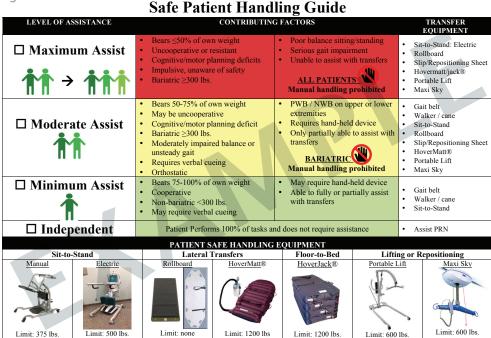
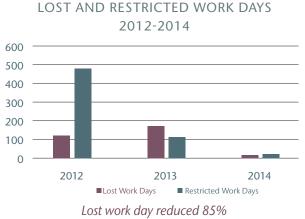
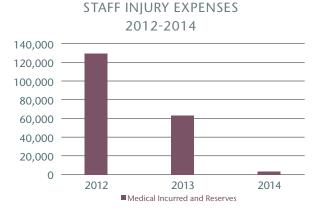


Figure 2



Lost work day reduced 85% Restricted work days reduced 96%

Figure 3



Medical expenses reduced 98%