

Value-Based Investment

	Caregiver Safety	Patient Satisfaction	Distractions Lead to Errors	Caregiver Productivity	Patient Outcomes
Hospital Beds Using Hercules (85% occupancy)	Lifting Events Eliminated¹ (per year)	Repositioning Disturbances Eliminated² (per year)	Distractions Eliminated³ (per year)	Inefficient Time Eliminated⁴ (hours per year)	At Risk Time Eliminated⁵ (hours per year)
100 Hercules	299,702	130,305	169,397	37,767	14,334
200 Hercules	899,105	390,915	508,190	113,300	43,001
300 Hercules	1,498,508	651,525	846,983	188,834	71,668

The return on your investment in the Hercules Patient Repositioning System™ is more than just a dollar sign. It is truly the value experienced by your patients and caregivers from the moment the system is installed.

The Christ Hospital™, a 500 bed acute care Magnet facility in Cincinnati, Ohio, conducted a 12 month IRB study in which multiple Hercules Patient Repositioning Systems were placed under 21 different patients for a total of 146 patient days. Data was collected from caregivers directly involved with the patients’ care, and specifically, those responsible for repositioning the patient up in bed. Included in the data was information specific to the time and number of caregivers required to move each patient with the Hercules Patient Repositioner in comparison to the time and number of caregivers required to reposition each patient using traditional methods.

The averages from this data are displayed below in the footnotes labeled (b), (c), (d) and (e). Based on the survey results, five value propositions for hospitals are projected in the table above for caregiver time and activity savings when using 100, 300, and 500 Hercules Patient Repositioners.

(a) 85% Average occupancy rate

(b) 4.2 Average number of patient repositionings per patient per day

(c) 8.3 Average time in minutes to manually pull up a patient in bed by caregiver(s)

(d) 2.3 Average number of caregivers required to manually pull up patient

(e) 1.7 Average time in minutes to move patient with the Hercules

$$1 \text{ Staffed Beds} \times (a) \times 365 \text{ Days} \times (b) \times (d) \rightarrow 500 \times 85\% \times 365 \times 4.2 \times 2.3 = 1,498,508$$

$$2 \text{ Staffed Beds} \times (a) \times 365 \text{ Days} \times (b) \rightarrow 500 \times 85\% \times 365 \times 4.2 = 651,525$$

$$3 \text{ Staffed Beds} \times (a) \times 365 \text{ Days} \times (b) \times (d - 1) \rightarrow 500 \times 85\% \times 365 \times 4.2 \times (2.3 - 1) = 846,983$$

$$4 \text{ (Staffed Beds} \times (a) \times 365 \text{ Days)} \times ((b \times ((c \times d) - e)) \div 60 \text{ minutes}) \rightarrow (500 \times 85\% \times 365) \times ((4.2 \times ((8.3 \times 2.3) - 1.7)) \div 60) = 188,834$$

$$5 \text{ (Staffed Beds} \times (a) \times 365 \text{ Days)} \times (b \times (c - e) \div 60 \text{ minutes}) \rightarrow (500 \times 85\% \times 365) \times (4.2 \times (8.3 - 1.7) \div 60) = 71,668$$

“I believe Hercules will become the ‘standard of care’ in all hospitals. It protects the nurses’ backs and ensures the patients’ dignity and comfort.”

Sheila Palmer, RN, BSN, MSHA, PCCN, NE-BC
Clinical Manager, The Christ Hospital



“I believe Hercules will significantly improve patient safety and satisfaction.”

Natasha Hiles, PCA The Christ Hospital



“The Hercules system is convenient because it’s always under the patient. It is a MAJOR asset and will reduce the incidents of injuries for all caregivers while improving the patient experience.”

Michael Kennedy, RN The Christ Hospital



“The Hercules system is AMAZING. It makes it so much easier to reposition patients; it takes the stress off of my back so I feel better at the end of the day.”

Rachel White, RN The Christ Hospital



“I love the Hercules system. You no longer have to wait for help to reposition a patient. Hercules is the greatest product ever invented for nurses!”

Kaye Haas, RN The Christ Hospital



“Moving patients up in bed is a breeze with Hercules; all you have to do is push a button. It’s a wonderful system that will definitely create less back injuries for the staff.”

Jackie Covington, RN The Christ Hospital

