

CASE STUDY

Analysis of Advanta™ 2 bed data from a Clinician User Preference Study

History

A new bed frame from Hill-Rom is being introduced for use in acute care facilities. Prior to market launch, a user preference study was completed to evaluate the new bed form and function. This study involved placing beds for patient use on medical-surgical units at two facilities for approximately six weeks.¹ Data was obtained through nursing interviews and surveys which were collected during and at the end of the study.

Findings

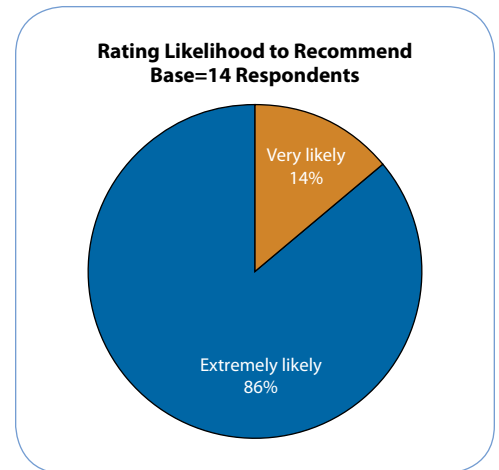
The Advanta™ 2 bed clinical environment study found:

- Overall high nurse and patient satisfaction with the Advanta 2 beds.
- The average of all ratings for feature performance was 4.46 on a 5-point scale, where 5 = “extremely satisfied” and 1 = “not at all satisfied”.
- Users indicated that they would be extremely likely to recommend the Advanta 2 bed to colleagues, with a mean rating of 4.86 on a 5-point scale, where 5 = “extremely likely” and 1 = “not at all likely”.
- The majority of the respondents indicated the new bed was “much better” than their current beds. The mean rating was 4.93 on a 5-point scale, where 5 = “much better”, 4 = “better”, 3 = “about the same”, 2 = “worse” and 1 = “much worse”.

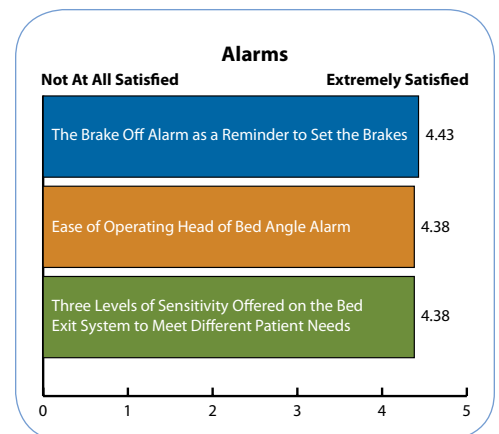
Results

When asked what they liked best about the new beds, the users responded with comments regarding patient comfort, ease of maneuvering and transport (with both the IntelliDrive® feature and 5th wheel), SafeView™ feature (patient safety), battery back-up, and the digital HOB angle display.

Regarding ease of use, features such as one button chair, vascular position, built-in bed extender and battery back-up received positive ratings from caregivers. Battery Back-Up was mentioned in verbal conversation as a favorite feature by some of the caregivers.



Average Likelihood to Recommend Rating = 4.86



The Bed Alarms, including HOB Angle, Brake Set and Three Level Bed Exit were well received in terms of their ability to satisfy respondents.

1. 4th floor med/surg unit at St. Elizabeth's Florence (Florence, KY) on June 25th, 2009; 4th floor (med/surg & rehab unit) at Mercy Western Hills (Cincinnati, OH) on June 29th, 2009. Data on file.



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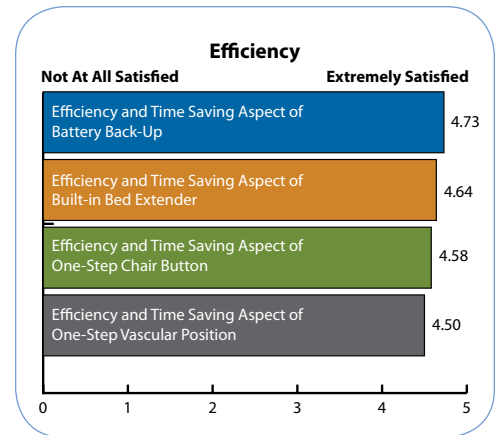
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The Bed Alarms, including HOB Angle, Brake Set and Three Level Bed Exit were well received in terms of their ability to satisfy respondents. The Brake Off Alarm was a nice reminder to set the brakes, especially when transporters brought patients back to the room and inadvertently left the brakes off.

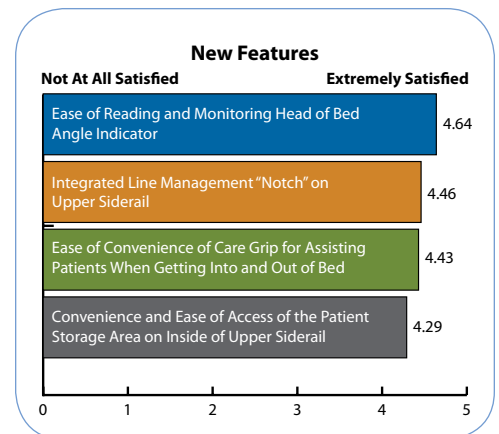
Regarding new features, the Advanta 2 bed includes new to the market features which all received positive mean ratings from caregivers. The digital HOB Angle Indicator received the highest mean rating followed by the integrated line management “notch”. The Care Grip was viewed as a safety feature for assisting patients getting out of bed.

Conclusion

The clinical environment study demonstrated overall high nurse and patient satisfaction with the Advanta 2 bed.



Features such as one button chair, vascular position, built-in bed extender and battery back-up received positive ratings from caregivers.



The new features all received positive mean ratings from caregivers.

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USA 800-445-3730
Canada 800-267-2337
www.hill-rom.com