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Hallway Bed Status is Associated with Lower Patient Satisfaction

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the country 1-3

- However, little is known about how this overcrowding affects patient satisfaction with their experience in the emergency department ¹⁻³
- Specifically, the use of hallway beds has become prevalent as a means to ease waiting room times in the ER ⁴⁻⁸

Problem Statement

-To determine if "hallway" bed status impacts patient satisfaction, specifically addressing any impact of age or sex on patient responses

- 1st percentile overall rating of ER care in hallway beds vs 29th in non hallway
- Hallway males ranked 33% for overall doctor rating, 7% for their overall rating of ER care, and 6% for likelihood of recommendation in comparison to females who ranked 2% for doctor satisfaction and 1% respectively in the remaining two categories.
- Only 6.6% of hallway bed patients gave high ratings of overall care as compared with 41% of roomed patients who gave high ratings (p<0.001). Similarly, only 5.4% of patients in hallway beds gave high

satisfaction

- If a single factor, presumably unrelated to quality of patient care, can impact press-ganey scores so significantly, are they a good measure of physician quality and should they then be tied to reimbursements?

- Further study is needed to evaluate how hallway beds change the patientphysician interaction
- Relates to SELECT 4 curricula on health systems and leadership, specifically concepts related to continuous quality improvement within systems and avocacy for fellow providers

Methods

- Five years of Press-Ganey scores were reviewed from discharged ED patients at a Level-1 Trauma Center with 75,000 visits/yr.

- Outcomes included: 1. Overall doctor score. 2.Overall rating of ED care. 3.Likelihood of recommending the ED to others.

- Results were reported as percentiles

ratings of likelihood to recommend ED care as compared with 40.9% of the patients in rooms who gave high ratings to recommend care (p<0.001).

- Patient age was also associated with differences. Hallway patients, ages 18-50 ranked in the 1% on these same three outcome measures, while those who were over 65 ranked 49% for doctor, 20% for overall rating of ER and 13% for LOR.

- Satisfaction trended upward with age in between these values

 Table 2. Comparison of Top Tertile vs. Lowest 2 Tertiles by Hallway Status for Each
Rating Category

Conclusions

- Patients treated in "hallway beds" were substantially less satisfied in all three main outcome measures

- Males were more satisfied than women and older patients were more satisfied than younger patients

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of comparison between peer group rankings from 1% (worst) ranking to 99% (best).

Table 2. Comparison of Top Tertile vs. Lowest two Tertiles by Hallway Status for Each Rating Category

	Hallway		Not Hallway		Р
Outcome	n	%	n	%	Value
Composite	345/1783	19.4	2807/5782	48.6	< 0.001
Overall	120/1823	6.6	2376/5790	41.0	< 0.001
Recommend	98/1804	5.4	2361/5772	40.9	< 0.001
Doc	293/1837	15.9	2192/5846	37.5	< 0.001
Std_Doc	320/1804	17.7	2192/5772	38.0	< 0.001

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