A Standardized Mobility Protocol for Hospitalized General Medicine Adult Patients Rebecca Jenetopulos, BSN, RN

Background

- 1/3 of hospitalized adults on general medicine units are discharged below their baseline function³
- Low levels of physical activity while hospitalized is associated with increased fall risk, decline in functional autonomy, pneumonia, pressure ulcers, increased length of stay, venous thromboembolisms, delirium, and an increased need for a facility at time of discharge⁵
- Inpatient mobilization is one of the most omitted elements of inpatient nursing care, missed 76.1-88.7% of the time ⁴
- 86% of patients that engage in low levels of activity during hospitalization experience a decline in their activities of daily living (ADLs)⁶
- Standardized mobility protocols help increase patient mobility while hospitalized and may improve patient outcomes ¹

Purpose & Aims

- Purpose: To improve early mobility of hospitalized general medicine adult patients, through the implementation of a standardized mobility protocol.
- Aim: To increase the percentage of patient days that hospitalized adult general medicine patients meet (or exceed) their assigned daily mobility goal during admission, over a 12-week time period.

Methods

Design: Pre- / Post- Intervention Design

Setting: A 23 bed adult general medicine unit at a large urban academic medical center in the mid- Atlantic United States

Sample: 8,134 days hospitalized adult general medicine patients could meet their assigned mobility goal, determined by the Johns Hopkins Daily Mobility Goal Calculator

Intervention: 6- point mobility bundle previously implemented at a sister institution

Application and Discussion o Set up of Staff education daily utilization patient's JH-HLM twice reclining chair assigned JHon bundle of JH-HLM goal each day prior HLM at (including RN calculator sign documentation to morning shift multidisciplinary to each patient CT, MD) change room door rounds

Data Collection: De-identified aggregate data provided by the institution over the 12-weeks of the intervention

Results

Aim to have all possible patients out of bed by 2pm each day

Table 1: Comparison of percentage of patient days mobility goal was met, by mobility category P-value compares each percentage to the baseline month (February).

Month	Mobility 1	P-Value Mobility1	Mobility 2	P-Value Mobility 2	Mobility 3	P-Value Mobility 3
February	25.20%		63.20%		52.60%	
September	47.50%	8.23E-27	73%	1.6207E-03	63.30%	1.6590E-04
October	44%	1.4457E-19	71.90%	4.1194E-03	53.20%	4.21E-01
November	43.30%	4.19E-19	68.10%	4.10E-03	53.20%	4.21E-01
December	47.60%	1.33E-18	62.40%	3.81E-03	62.20%	4.19E-01

Mobility 1= JH-HLM goal 7-8; Mobility 2 = JH-HLM goal 6; Mobility 3 = JH- HLM goal 3-5

Table 2: Percentage of days patients met their mobility goal per month



Mobility 1= JH-HLM goal 7-8; Mobility 2 = JH-HLM goal 6; Mobility 3 = JH- HLM goal 3-5

Discussion

Re- education, on-going discussions, and an increased focus on patient mobility was pivotal in increasing the percentage of patients achieving their mobility goal while hospitalized Statistical and clinical significance were established. Except for December 2021 JH-HLM goal 3-5 Findings from this quality improvement project were similar to those from the study conducted at the sister institution. Findings are consistent with the evidence – utilizing standardized multidisciplinary early mobility protocols improve patient outcomes and offer greater long- term success¹

institution prior to implementation of this project Organizational support from upper management Implementation at the sister institution

- Poor staffing due to COVID-19 pandemic

- hospitalized

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Strengths

The utilization of the Johns Hopkins daily mobility goal calculator at the target

Limitations

High nurse turnover \rightarrow increased number of new nurses Inability for patients to ambulate in halls due to COVID-19

Conclusion

Standardized mobility protocols are helpful in improving patient mobilization while

The implementation of this 6-point mobility bundle helped improve the percentage of patients that met their daily mobility goal on the adult general medicine unit

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