Background

Inaccuracy documenting intake and output is a national problet. The accurate documentation and maintenance of fluid balance charts constitute an integral part of nursing care. However, inaccuracies in fluid balance charting by nurses often occur. Inaccurate charting can result in delayed interventions, affecting the safety of the patients. Audits demonstrated that fluid intal charting in an acute surgical inpatient ward was highly inaccur. Many expressions of dissatisfaction were evident among the medical healthcare professionals and patients regarding accur fluid intake charting. Therefore, evidence-based measures need to be implemented in order to improve the safety of patient cathrough improvement in recording of patient's intake.

Purpose/Objective

The main objective of this evidence-based utilization projous to improve the accuracy of fluid intake charting through the patient involvement.

References: Liaw, Y. Q., & Goh, M. L. (2018). Improving the accuracy of fluid intake chart through patient involvement in an adult surgical ward: a best practice implementation project Database of Systematic Reviews and Implementation Reports, 16(8), 1709–1719. https://doi.org/10.11124/JBISRIR-2017-003683

Madu, A., Asogan, H., & Raoof, A. (2021). Education and training as key drivers for improving quality of fluid balance charts: findings from a quality improvement project. BMJ Open Qual 10(3). <u>https://doi.org/10.1136/bmjoq-2020-001137</u>

An Evidence-based Approach to Improving Intake and Output Documentation Kayla Brotherton, BSN, RN, MS-BC

Methods

em. e	A literature search was performed using the search engines of Google scholar and search terms of accuracy of documentation regarding intake and output. Following review of the literature the DMAIC process was utilized and a plan for implementation and	Kn ed fro po ex im re
ke rate.	The intervention of implementing a nursing standardized protocol for all patients consisted of the following elements:	pla
rate eded are	 Staff educational sessions performed weekly until all staff educated and all questions clarified. Pre/Post tests performed. Posters and PowerPoint used for teaching. Educational materials given. New flow sheet created Patient Education and Involvement. Utilizing educational materials and teach back method. 	
ject ugh	 Weekly documentation audits Staff and patient feedback was utilized All patients received a flow chart and reference guide attached. The nurse educated patients about self-reporting their amount of intake. 	Cc Flu pro flui
ting ect. JBI g the lity,	 All questions were clarified. During hourly rounding staff were encouraged to remind their patients to write down how much intake they have had in the last hour *The time period for intervention and outcome assessment was 03/15/2022-05/31/2022. 	sta the bas rel imp

Results

howledge increased from 11% pre-education to 80% post ducation. Monthly audits for I&O documentation increased om 12% prior to interventions to maintenance of 70-80% ost intervention. The interventions and education were ktended to a similar unit(4S) which is also demonstrating hprovement in weekly audits. In addition, patients eported increased satisfaction and accountability in their lan of care during leadership rounding.



onclusion

uid record omission was reduced at the completion of the oject. The project led to an increased awareness of the id record omission standards among patients, as well as ysical assessment and fluid overload -among the nursing aff in the unit. Nurses expressed a better understanding of e significance. The findings demonstrate how evidencesed practice with focused education and the provision of levant resources can have an immediate and positive pact on clinical practice.

