Improving LOSI by more accurately documenting University of Kentucky common problems that increase patient complexity Author(s): Amelia Wooten, Sharoon Qaiser.

BACKGROUND

Length of Stay Index (LOSI) is the actual length of stay / anticipated length of stay. This has long been used as a measure to improve patient care. More complex patients require longer lengths of stay, which is not always accounted for in the LOSI due to inadequate documentation. In particular, the most common problems that fail to be documented are obesity, dysphagia, and malnutrition.

OBJECTIVES

To improve documentation of common complicating factors in order to accurately calculate Length of Stay Index (LOSI) in order to improve patient care.

METHODS

We created a template note for all residents on the Child Neurology Service to use. This template included documentation of the three most common problems that fail to be documented (obesity, dysphagia, and malnutrition). This template was released at the start of July 2023.

RESULTS

For the four months prior to implementation (March – June 2023) the average LOSI was 0.88. For the four months after implementation (July 2023 – October 2023), the average LOSI was 0.87.

CONCLUSIONS

Adding obesity, dysphagia, and malnutrition to the template notes did not significantly influence LOSI

REFERENCES

Buttigieg, Sandra (Alexandra) & Abela, Lorraine & Pace, Adriana. (2018). Variables affecting hospital length of stay: a scoping review. Journal of Health Organization and Management. 32. 10.1108/JHOM-10-2017-0275.

Gross PA, Cataruozolo P, DeMauro P, Eason P, Elliot M, Wallenstein S. Severity adjustment for length of stay: is it always necessary? Clin Perform Qual Health Care. 1997 Oct-Dec;5(4):169-72. PMID: 10176025.

Hughes AH, Horrocks D Jr, Leung C, Richardson MB, Sheehy AM, Locke CFS. The increasing impact of length of stay "outliers" on length of stay at an urban academic hospital. BMC Health Serv Res. 2021 Sep 9;21(1):940. doi: 10.1186/s12913-021-06972-6. PMID: 34503494; PMCID: PMC8427900.

Figure 3 College of Medicine

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