The Use of Audit and Feedback in Implementing a Clinical Decision Support Tool Identifying Patients with Life-Limiting Illness in the Emergency Department

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BestPractice Advisory - SupportiveCare,TestOne

SW and Palliative Care Consults Ordered No Order at this time

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INTRODUCTION

- Clinical decision support (CDS) tools can be useful in the Emergency Department (ED) to (1) quickly identify patients with serious life-limiting illnesses most likely to benefit from primary palliative care and (2) provide point-of-care clinical recommendations.
- As part of the Primary Palliative Care for Emergency Medicine (PRIM-ER) intervention, each site was required to implement:
 - At minimum one Best Practice Alert (BPA) and/or Banner within the electronic health record
 - 2. An audit and feedback system, which is a quality improvement strategy to encourage and improve physicians' clinical practice.

PURPOSE

• This study aims to summarize the implementation, use, and feedback of BPAs implemented at 18 health systems across the United States.

METHODS

- Population: 18 health systems and 33 clinical EDs (30 on Epic, 3 on Cerner (electronic health records) were enrolled in the PRIM-ER study.
- Data source: Audit and feedback surveys (quantitative and qualitative) collected post-intervention at each of the 33 EDs. Completed by Site Principal Investigators
- Suggested BPAs included:

Function 1: Identify seriously ill patients with advance care planning documents

Function 2: Identify patients on hospice

Function 3: Refer patients to interdisciplinary

services

Function 4: Initiate goals of care conversation

The most implemented BPA/Banner was the hospice alert.

After initial data review 70% of sites reported their BPA/Banners were firing appropriately (frequency and for correct patients).

70% of sites review their PRIM-ER BPA/Banner data either bimonthly or monthly and implement changes to optimize their systems

BEST PRACTICE ALERTS

. Active eMOLST Patient has an active eMOLST. This document outlines a patient's wishes in the setting of serious life-limiting illness. Please access this document to learn more about the patient's wishes for care. This patient does not have an eMOLST on file but does possibly have a serious life-limiting illness based on Acknowledged Start a goals of care conversation. Do you think this patient may die during this hospitalization? This patient has previously been referred to or enrolled with hospice services. Evaluate for social needs and Do they have any one of the following? notify hospice services, if appropriate. Acknowledge Reason · Worsening in functional status? Acknowledged Uncontrolled symptoms due to a life-limiting illness? Unclear goals of care? If yes, then order a Social Work and Palliative Care Consult, If no, then dismiss BPA. Active Hospice This patient has previously been referred to or enrolled with hospice services. Consult Social Work and Criteria met:

ECOG=4, Poor functional status

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RESULTS

BPA Implementation

- None of the 33 sites previously had a previous existing ED supportive care BPA.
- The Hospice alert was implemented in 82% of sites while the Advanced Care Planning alert was implemented in 72% of sites

Audit and Feedback

- Site leadership waited an average of 10 days between
 BPA launch and initial data review
- After initial review, 70% of sites (n=23) reported the BPA(s) were firing appropriately, 12% (n=4) firing incorrectly, 9% (n=3) firing too frequently, and 9% (n=3) firing not enough.
- Data is reviewed by sites monthly (n=16), quarterly (n=9) bimonthly (n=7), or weekly (n=1).
- "Emergency medicine providers have more awareness of hospice patients, and there is better understanding on where to find patients goals of care and advance directives" [Feedback from Site PI]
- "Palliative care team now rounds in the ED everyday"
 [Feedback from Site PI]

CONCLUSION

- Health systems should continue prioritizing the customization of CDS tools to align with their unique workflow and environments.
- Audit and Feedback is crucial in continuously monitoring, sustaining, and optimizing BPAs. This ensures adaptions are data driven and focused on improving outcomes in patients identified with lifelimited illness in the ED.

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