

Enhancing the Usage of Evidence-Based Order Sets on the Pediatric Hospital Medicine Service

BACKGROUND

Pediatric residents and fellows admit a large number of patients with a vast array of clinical diagnoses that require acute care.

Guidelines exist for a variety of these health conditions but inappropriate practice variation still exists, potentially resulting in increased hospital resource utilization and prolonged lengths of stay.

The Pediatric Hospital Medicine (PHM) partnered with the Value Institute to create evidence-based order sets (EBOS) for common pediatric conditions requiring hospitalization with a goal of improving evidence-based care on the PHM service.

Given high rates of resident turnover, it is important to track frequency of usage of these order sets.

AIM STATEMENT

To increase relative usage of evidence-based order sets on the Pediatric Hospital Medicine service by 30% by February 28th, 2023.

The assessed order sets include pediatric bronchiolitis, pediatric asthma, pediatric seizure, pediatric hyperbilirubinemia, and the febrile neonate. Obtained baseline ev of 2023.

Educational Interver

- Resident, PHM fel
- Targeted education
- Encouraged addir
- Utilized run charts

Metrics

Pediatric bronchiolitis

Febrile neonate order

Hyperbilirubinemia or

Pediatric seizure orde

Asthma order set usa

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METHODS	/ INTERVE	NTIO	N	
vidence-based order set usage a	and performed e	educatio	n of pro	viders beginning in January
n <u>tions</u> Ilow, and PHM faculty global edu on of residents on PHM rotation p ong evidence-based order sets to	ucation on evide per block: Order "Favorites" list in	nce-bas set flyei n EPIC	ed orde rs poste	er sets ed in each workroom
to inform residents of progress	at housestaff me	eetings	and mor	rning reports
R	ESULTS			
Overall, the relative EE	BOS utilization	increa	sed by	78%.
	Baseline	Target	Current	Comment
order set usage	36%	~48%	14%	Diagnosis documentation can be challenging
set usage	2%	~3%	37%	Significant improvement noted
der set usage	26%	~33%	21%	Exploring potential reasons for slight decline
r set usage	13%	~17%	17%	Solid overall improvement
je	11%	~15%	23%	Solid overall improvement