

Center for Healthcare Delivery Science and Innovation

Implementation of a Pediatric Medication Safety Program

Problem

Pharmacy leadership receives a daily report of medication events submitted by interdisciplinary team members. Reviewing event reports assists with identifying opportunities for improvement within the services pharmacy provides. However, thorough review of all medication events can be timely and as a result, leaders may fall behind when other patient care priorities arise. Additionally, without a formal review process in place, it can be unclear who is responsible for reviewing specific medication events. With the assistance of pharmacy's Chief Quality & Safety Officer (CQSO), pediatric pharmacy leaders developed a pediatric medication safety program to address the challenges of completing medication event reviews.

Goals

- Design a process to regularly evaluate medication event reviews in a timely manner
- Increase the number of completed medication event reviews
- Develop medication safety metrics
- Implement a pediatric medication safety dashboard to be presented at the monthly Medication Safety Committee

Strategy

- Collaborate with pharmacy's CQSO to set specific standards
 - Determine who will be allowed & assigned to review medication events
 - Define how to prioritize reviewing event reports •
 - Define when an event report & recommended solution should be escalated to pharmacy's CQSO
- Assign event reviewers to Event Review Training
- Set up a weekly standing meeting to review event reports with assigned reviewers 3
- Develop a weekly report for pediatric pharmacy leaders, displaying incomplete and completed medication event reviews
- Determine safety metrics to track based on event report trends
- Utilize metrics to establish a pediatric medication safety dashboard, report out quarterly at Medication Safety Committee 6
- Share pharmacy staff good catches with staff during weekly MDI huddles

Results to Date

Pediatric team members reported several near-miss events in the event review system. This contributed to Comer Pharmacy being awarded the quarterly Patient Safety Award from Risk Management & Patient Safety.



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Results to Date (cont'd) Completed Medication Event Reviews Program Go Live: June 2022 120.0% 100.0% 80.0% 60.0% 40.0% 20.0% 0.0% March April May June 2022 2021 Pediatric Medication Safety Dashboard **IV Medication Delays** Тор 5 Вур Monthly Bypass Prep vs. Product/Dr Bypass per hour Barcode cou Product not Barcode co Top 5 Bypa Stat Med Omnicell Stock Ou Heparin 25. Vancomycii Non-Stat Dispensing Delay Ampicillin-sulbactam (UNASYN) 3g in 0.9% 100 mL Good Catches Reworked IV Medications Top 3 I 200

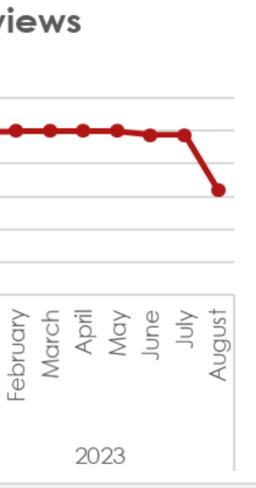
Conclusions

Implementation of a pediatric medication safety program resulted in a significant increase in completed medication event reviews. By reviewing events consistently, leadership was able to identify trends, develop safety metrics to track, and create a safety dashboard.

Acknowledgements

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s Reasons - Q1 (Jul-Aug)	Count
	158
ig not defined in Formulary : STAT	140
Id not be scanned : stat	106
set up in Formulary : stat	89
Id not be scanned	81
s Drugs - Q1 (Jul-Aug)	Count
sphate 15mmol/100mL 0.9%	186
000 units/D5W 250 mL	116
1,000mg in 0.9% 250 mL	64
rine 16mg in 0.9% 250 mL	60

Count
78
39
23