

# Improving documentation of Pediatric Early Warning Score (PEWS) in the Electronic Health Record (EHR)

**Titilola Babatunde, MS4, LINC Scholar**; Shadman Memarian, MD; Edith Reyes Alvarado, MD

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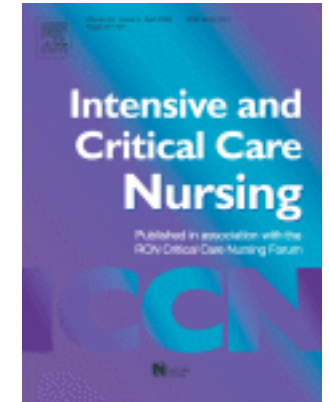
# Background/Introduction

Children who deteriorate quickly or unexpectedly share similar features up to 24 hours before the event, which can serve as "track and trigger tools"

- Pediatric Early Warning Score (PEWS) can be used to quickly identify and respond to patients at risk
- At ECU Health → lack of timely documentation of PEWS despite auto-calculation of scores by EHR → leading to a lack of clear communication with pediatric providers

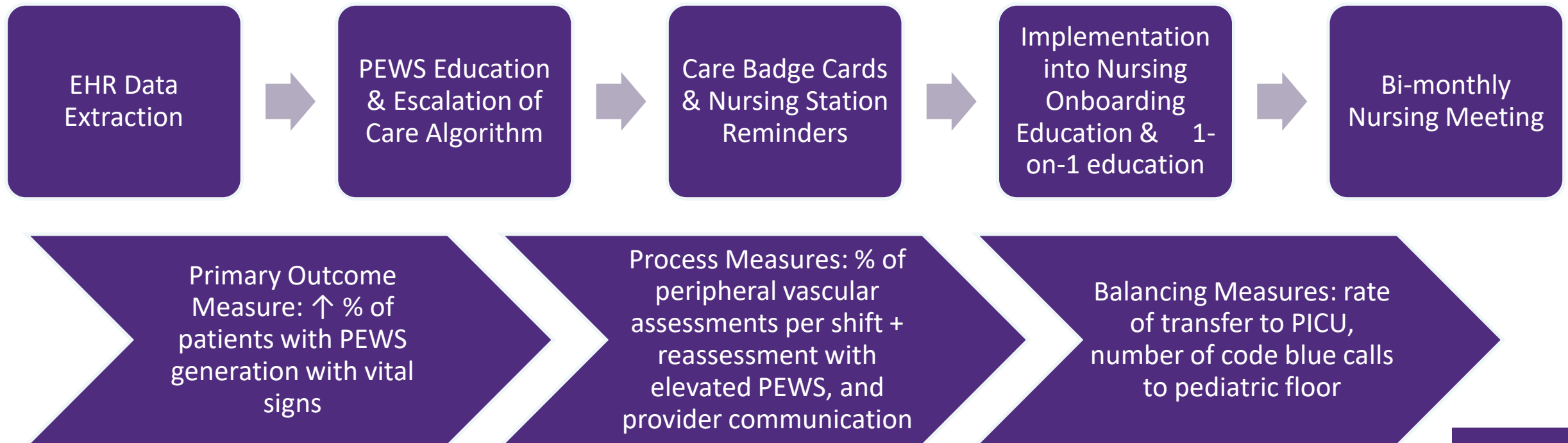


**Study Aim: Increase compliance with documentation of all elements of PEWS in the EHR for patients aged 2-24 months admitted to the pediatric hospitalist team by 20% in 6 months.**

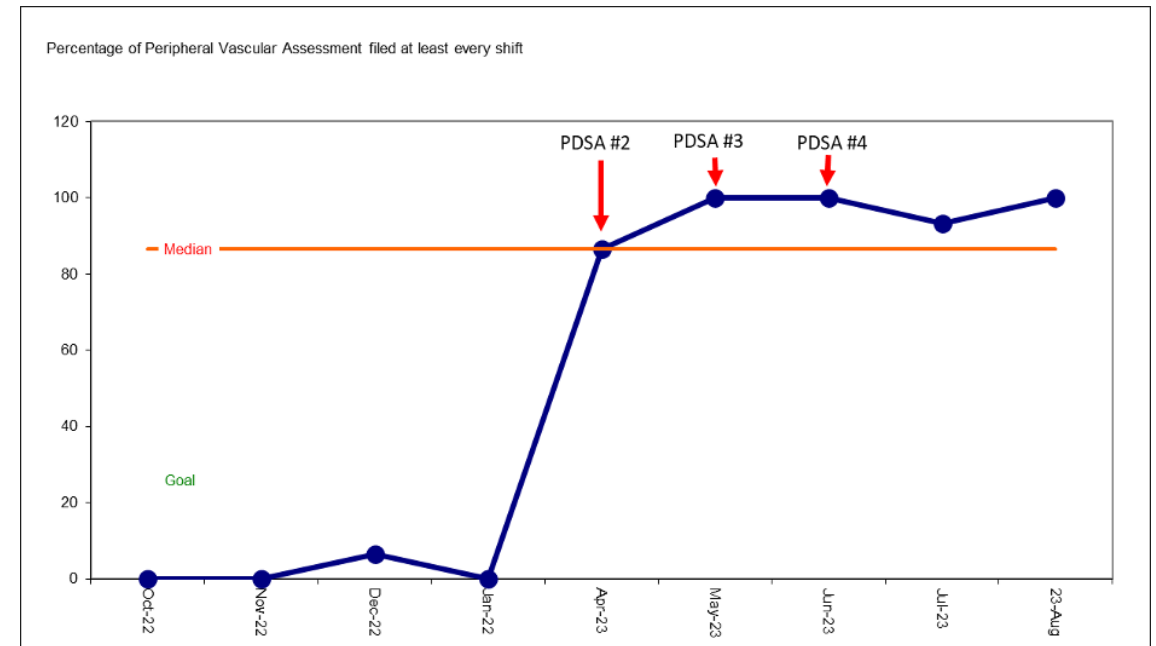
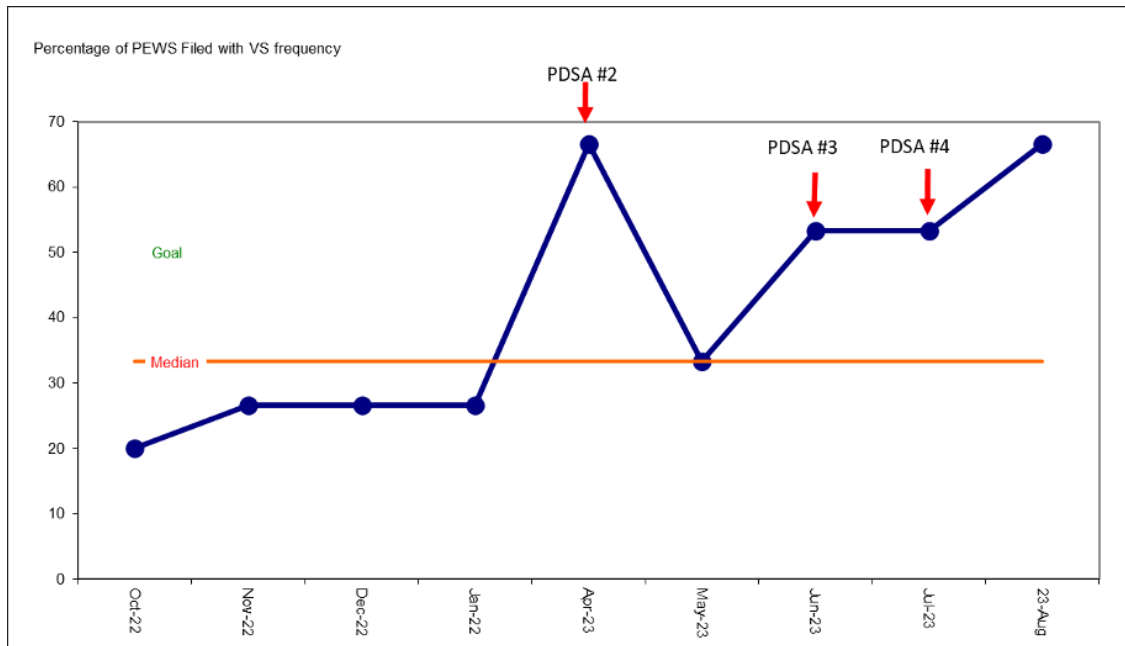


# Methods

- 197-bed pediatric hospital, tertiary medical center, patients aged 2-24 months
- 5 month Pre Intervention, 6 month Intervention → 15 patients/month chart review
- Multidisciplinary Team: 2 pediatric hospitalist physicians, 1 medical student, nursing staff, resident and attending physicians, IT specialists



# Results



PDSA 1:  
EHR Data Extraction



PDSA 2:  
PEWS Education & Care  
Algorithm

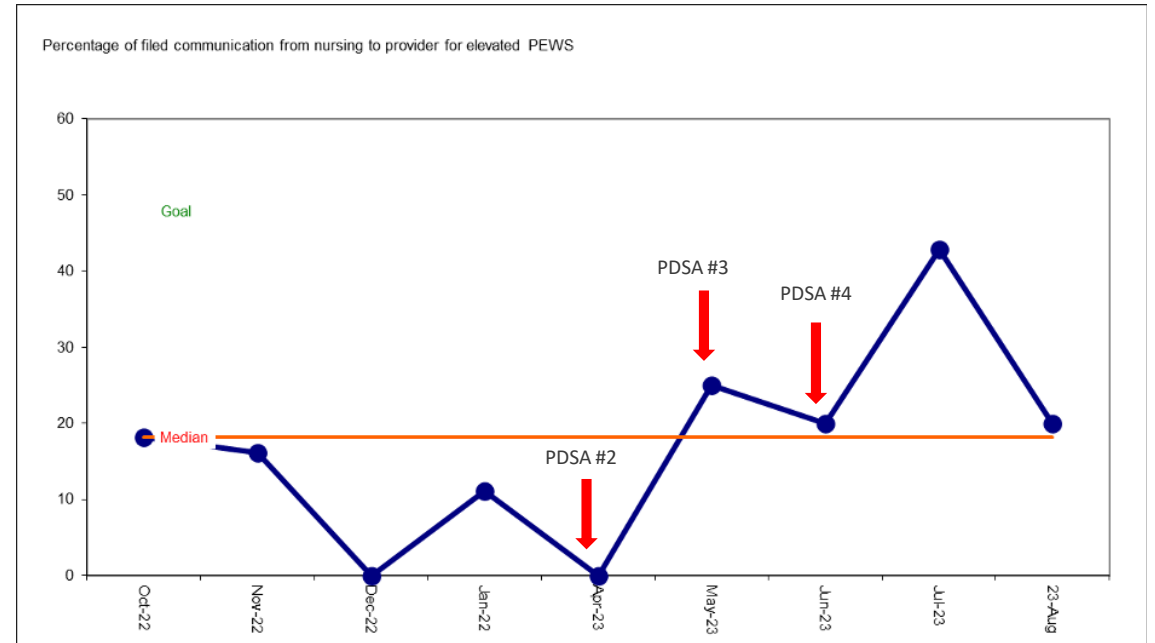
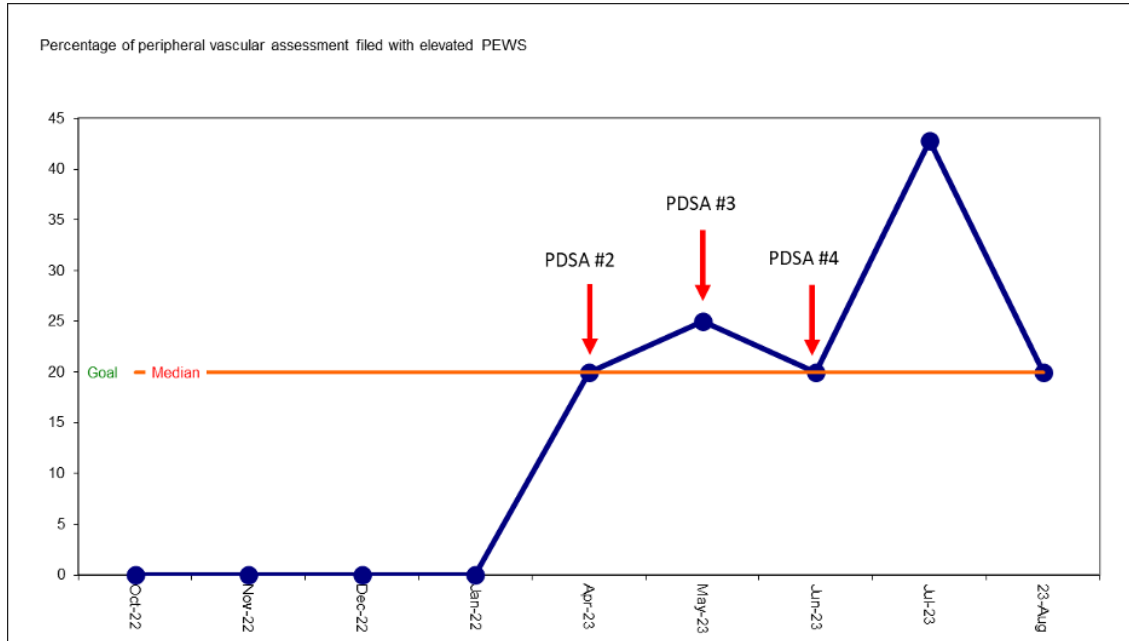


PDSA 3:  
Care Badge Card &  
Station Reminders



PDSA 4:  
Nurse Onboarding &  
1-on-1 education

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# Conclusion

Our project highlighted the improvement of PEWS documentation after implementation of PEWS education for nursing staff and providers, along with routine reminders and assessment of barriers to compliance

Future Directions:

- Continued sustainability through bi-monthly nursing staff meetings → assessing barriers
- Consistent nurse-provider communication for elevated PEWS scores
- Assessment of Balancing Measures (PICU transfers, code blue calls)
- Post Implementation Data