



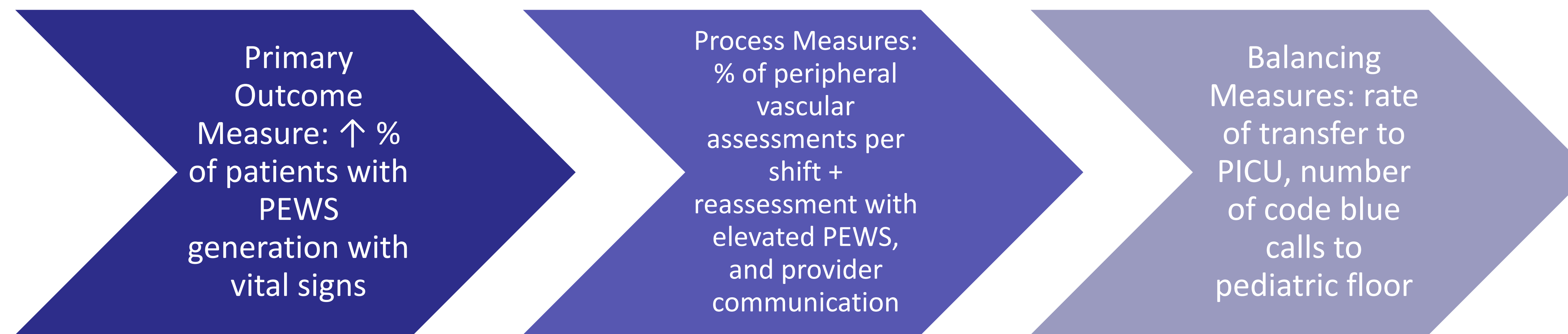
Improving Documentation of Pediatric Early Warning Scale (PEWS) in the Electronic Health Record (EHR)

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BACKGROUND

- Children who deteriorate quickly or unexpectedly in hospital settings share similar features up to 24 hours before the event, which can serve as "track and trigger tools"
- PEWS can be used to quickly identify and respond to patients who may be at risk of deterioration
- At ECU Health → lack of timely documentation of PEWS despite auto-calculation of scores by EHR → lack of clear communication with pediatric providers

OUTCOME MEASURES



PDSA CYCLES



LESSONS LEARNED

- Successful improvement of timely documentation of PEWS in the EHR hinged on providing education to all staff and providers, along with routine reminders and assessment of barriers to compliance
- Limitations included high turnover of nursing staff and rotating nursing students who were unaware of the protocol
- To ensure ongoing compliance with the documentation, we will be working closely with our PEWS nurse champions to conduct routine reminders and audits

PROJECT AIM

To improve documentation of PEWS in the EHR for patients 2-24 months old admitted to the inpatient pediatric unit at ECU Health Medical Center by 20% within 6 months.

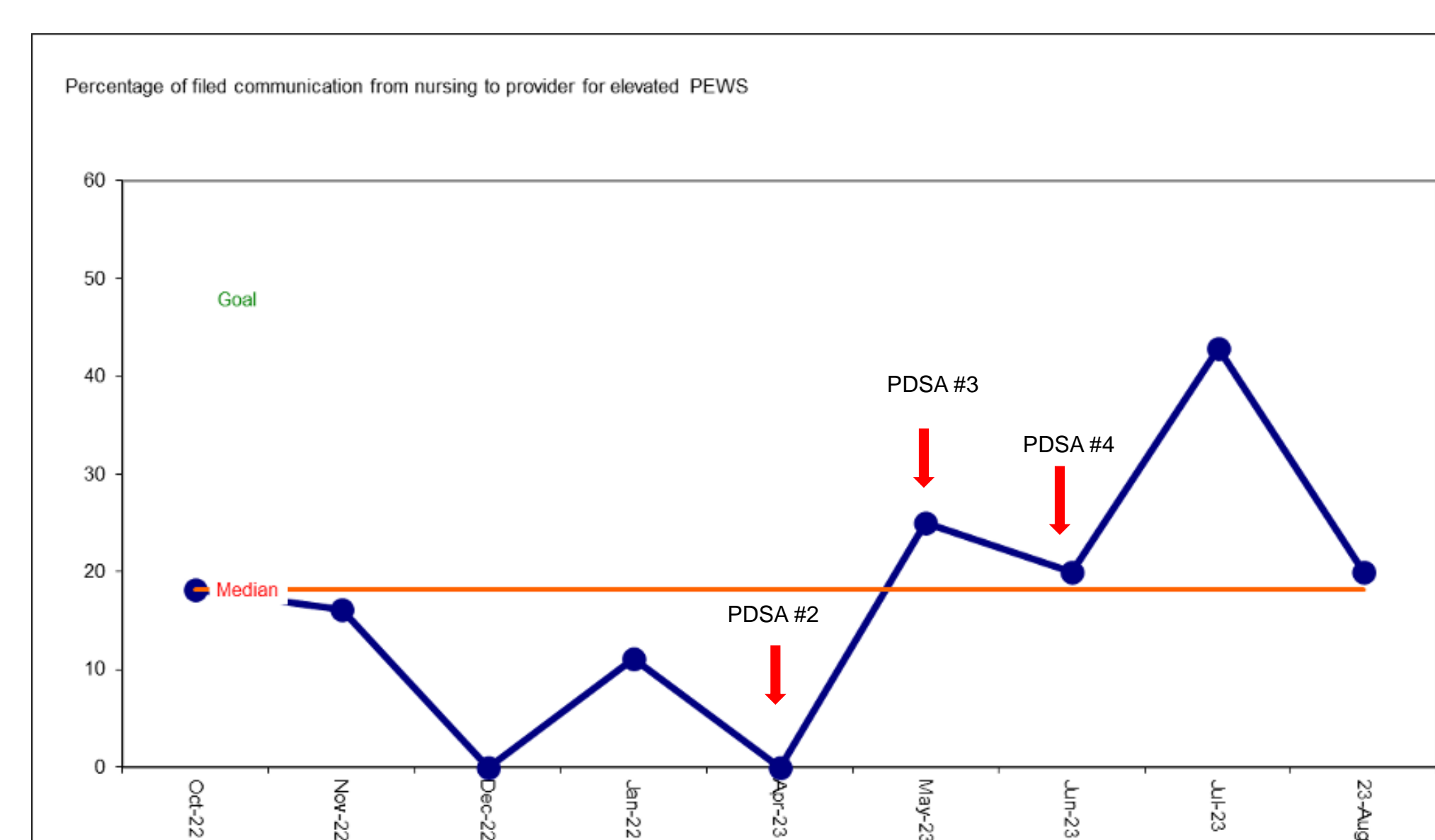
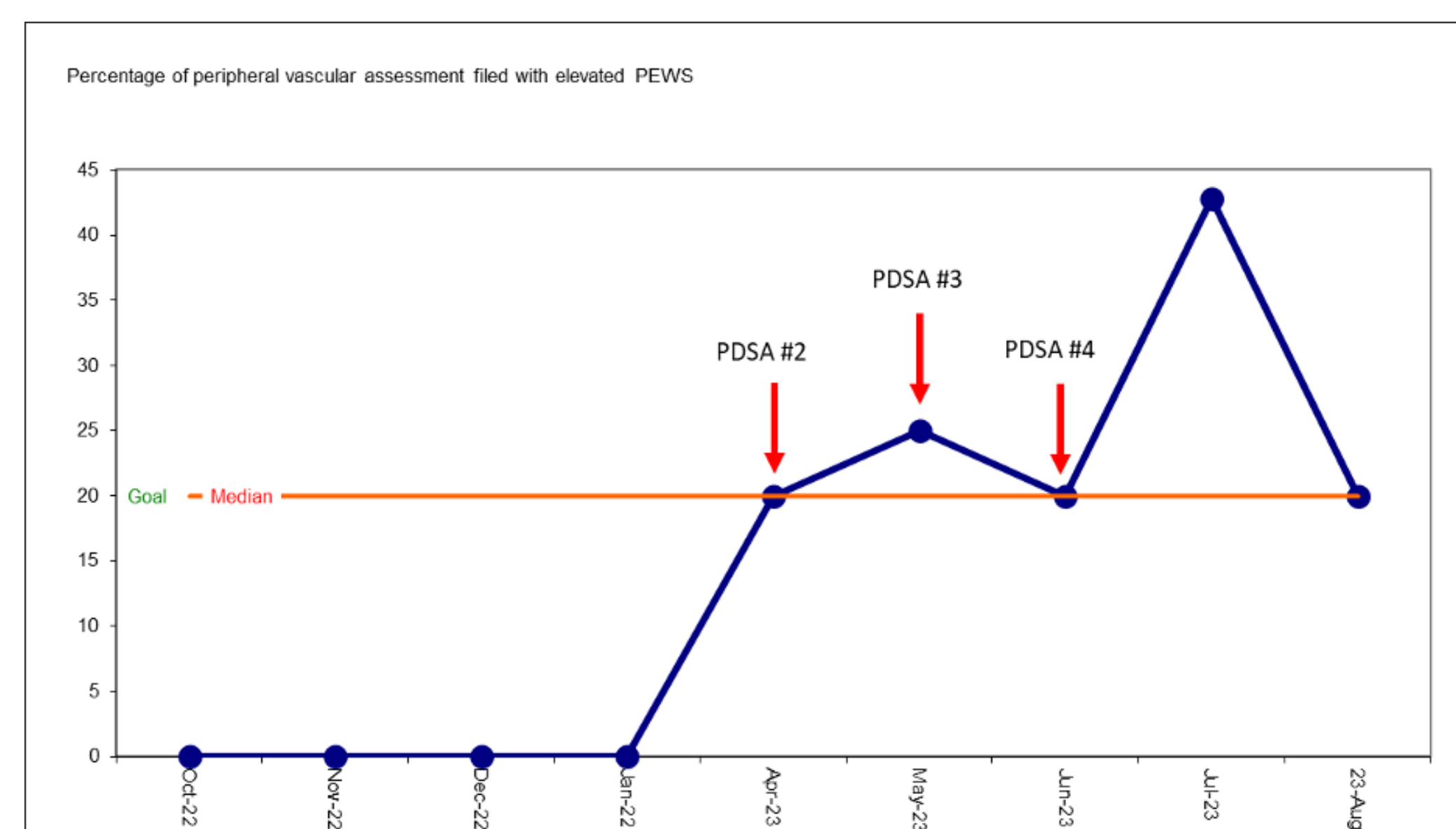
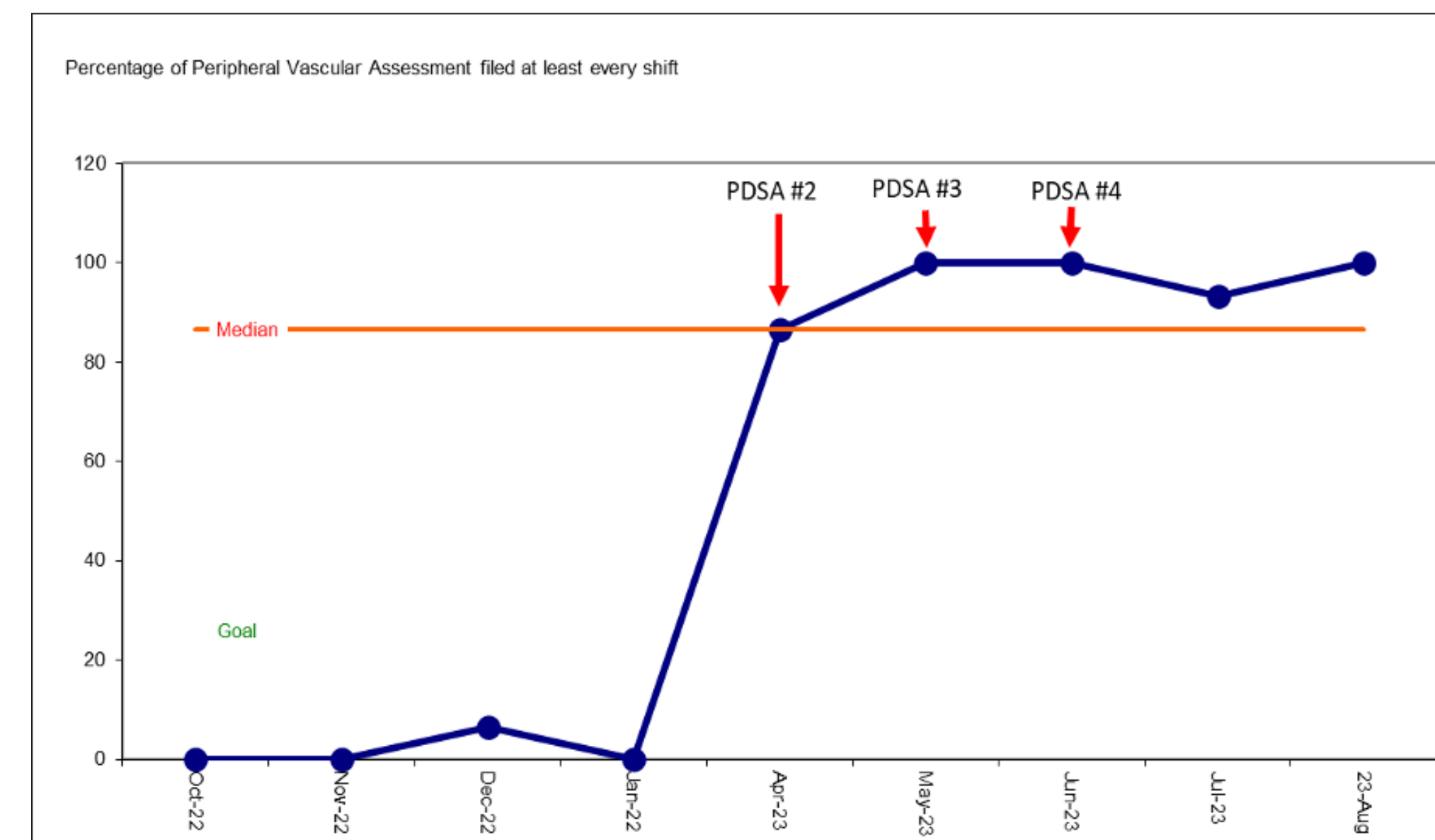
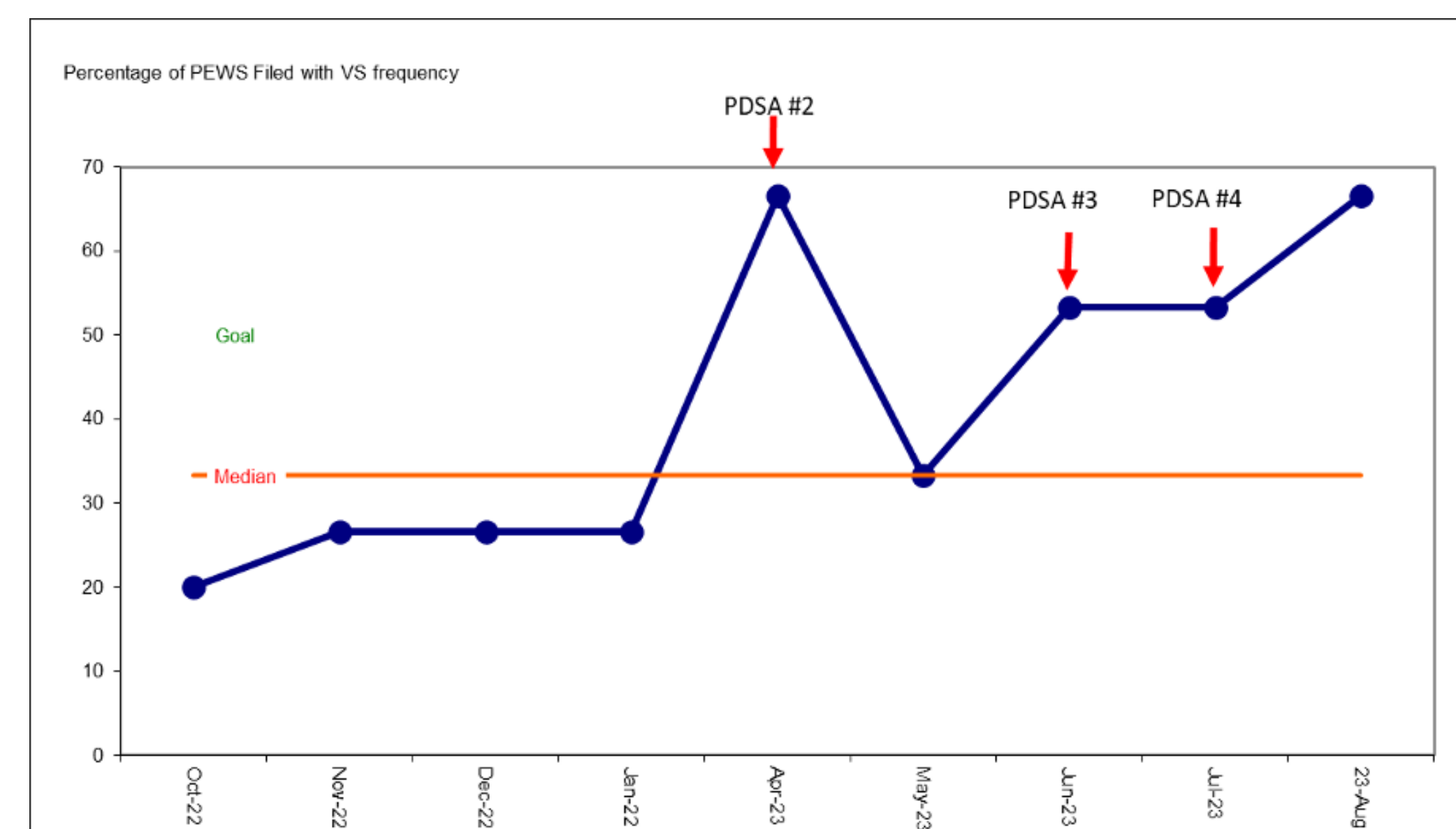
NEXT STEPS

- 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)
- Continued Post Implementation Data

PROJECT DESIGN

- ECU Health Medical Center houses a 197-bed pediatric hospital at a tertiary medical center with approximately 7,000 admissions yearly
- A multidisciplinary team was created including : 2 pediatric hospitalist physicians, 1 medical student, nursing staff, resident and attending physicians, IT specialists
- Prior to intervention, 15 random medical charts per month of patients were reviewed → 4 PDSA cycles were conducted, with data reviewed for 15 patients each month.

RESULTS



ACKNOWLEDGEMENTS

