

Improving Patient Rounding Techniques through the Implementation of Nurse Led Rounds in the PICU



Jessica Garris, BSN, RN
ECU Health Maynard Children's Hospital

BACKGROUND

Consistent and thorough communication in bedside assessments are essential within a critical care setting involving multiple disciplines. Efficiency and reducing redundancy are crucial during bedside rounds. Best practice supports ICU rounds include multidisciplinary, standardized format, and goal-directed discussion. The registered nurse is the discipline that spends the most time assessing, caring, and detecting changes in a patient. Developing a specific rounding template will allow the nurse to drive the focus of rounds in the Pediatric Intensive Care Unit (PICU).

PROJECT AIM

The aim is to implement nurse led rounds by implementing a rounding tool during day shift rounds on all patients in the PICU by March 2023.

PROJECT DESIGN/STRATEGY

- Template created by an interdisciplinary team
- Covers head-to-toe assessment
 - Highlights quality bundles in bold
 - Identify opportunities for individualized care

Bedside nurses included in deciding what are essential template materials

Rounding Template

Admission date: _____ Room: _____

Day-Shift Nurse-Led Rounds

Patient name: _____ Age: _____ Weight: _____ kg Allergies: _____

Level of Care: ICU ICU Isolation: _____ Code Status: _____ Covering Resident: _____

Vital Sign Frequency: q 1 2 4 6 hr

NEURO: WNL Y / N

Changes: _____

SBS Level: _____ SBS Goal: _____ [] BS-NA

PICU UPI Level: _____ WAT Score: _____

Neuro checks: q _____ hr

[] Restraints- type? order up to date?

[] Baricitabine [] Stool: Stool: given: _____

[] Pain medications (pain control adequate?)

Scheduled: _____

PRN: _____

Bot: _____ ICP: _____ EVD: _____ @ the tragus or _____

EVD output: _____ mL

CARDIAC: WNL Y / N

Changes (cardiac/VS): _____

HR trends: _____ BP trends: _____

MAP Goal: _____ HR Goal: _____

NIRS: _____ Puses/ Cap Refill: _____

RESPIRATORY: WNL Y / N

Changes: _____

Respiratory Support: [] A [] NC [] BNC

[] PAP/CPAP [] Ventilator [] Synchronizer

Flow: _____ L _____ %

Vent Mode: _____ Rate: _____ PEEP: _____ TV: _____ PIP: _____ PC: _____ Artificial

Airways: [] Airway Card at bedside? [] ET: Size _____ cuffed / uncuffed

Secured _____ cm @ teeth/ gum / lip

[] Tracheostomy: Size _____ cuffed / uncuffed

Neo / Peds: _____ Shiley / Bivona

Secretions: _____

Respiratory treatments? _____ q _____ hr

Continuous: _____ PRN: _____

GI/GU: WNL Y / N

Changes: _____

Diet: NPO Clear Full Liquid Peds Regular other: _____ feed type: _____ continuous _____ mL/hr OR bolus

total feed: _____ mL over _____ hrs at goal? O2/NG (R/L) @ _____ cm ND (R/L) @ _____ cm G-tube G/2-tube

Tube status: clamped gravity suction feeding

[] PN / Lipids [] D prophylaxis

Bladder management: [] Foley-needed? [] O cath

Last bowel movement? _____ [] Bowel regimen

HEME/ID: WNL Y / N

Changes: _____

Temperature max: _____ T low (if applicable): _____

PRN medications given: _____

CHANGES MADE (PDSA CYCLES)

Plan

- Create a small project team to develop timeline
- Develop pre and post survey to measure team member feedback
- Create a nurse led round template

Do

- Educate staff on the utilization of nurse led round template
- Create a "teach the teacher" check off method to ensure competence of process
- Post and share reminders of tip sheets in common areas
- Implemented nurse led rounds on 2/20/2023
- Assess and make changes to the template and order of rounds presentation through in the moment bedside staff feedback
- Administer post survey 6 months after implementation

Study

- Compare pre and post survey results
- Evaluate project within the project team
- Discussion and feedback with providers

Act

- Adjust template based on feedback from team
- Plan to implement the nurse led rounds on night shift 2/2024

RESULTS/OUTCOMES

Nurse Led Rounds: Nursing Pre-Survey

	Strongly Disagree	Disagree	Neither agree OR disagree	Agree	Strongly Agree
I think the implementation of nurse led rounds will be helpful.					
There is good communication and collaboration between doctors, practitioners, and nurses during rounds.					
I have sufficient time to participate in rounds.					
Rounds currently take too long.					
Rounds interrupts me from performing patient care.					
Families are actively involved in rounds and leave rounds with an understanding of the plan when they choose to be involved.					
The nurse is fully aware of the plan for the day after rounds are completed.					
Rounds thoroughly addresses my concerns/needs and patient condition.					
Rounds are redundant as they cover the same information multiple times.					
I feel my assessment findings, comments/concerns, and suggestions are validated during rounds.					

Please share any comments/questions/concerns below in regards to nurse led rounds:

14 completed the pre-survey
6 agreed nurse led rounds would be helpful

Nurse Led Rounds: Nursing Post-Survey

	Strongly Disagree	Disagree	Neither agree OR disagree	Agree	Strongly Agree
I think the implementation of nurse led rounds has been helpful.					
There is good communication and collaboration between doctors, practitioners, and nurses during rounds.					
I have sufficient time to participate in rounds.					
Rounds currently take too long.					
Rounds interrupts me from performing patient care.					
Families are actively involved in rounds and leave rounds with an understanding of the plan when they choose to be involved.					
The nurse is fully aware of the plan for the day after rounds are completed.					
Rounds thoroughly addresses my concerns/needs and patient condition.					
Rounds are redundant as they cover the same information multiple times.					
I feel my assessment findings, comments/concerns, and suggestions are validated during rounds.					

Please share any comments/questions/concerns below in regards to nurse led rounds:

8 completed the post-survey
4 agreed nurse led rounds have been helpful
3 agreed nurse led rounds have not been helpful

RESULTS/OUTCOMES



Improved collaboration and provided full team with most up-to-date patient assessment date/needs

Created opportunity for providers to "agree" with assessment and did not improve efficiency

LESSONS LEARNED

- Nurse led rounds made the bedside RN feel like a valuable member within interdisciplinary team
- Providers and nursing reported more accurate and up to date patient assessment data during rounds
- Improvements needed on efficiency/redundancy of the physician collaboration

NEXT STEPS

- Create night shift template & plan implementation
- Evaluate the post-survey questions for patient or nursing specific impact
- Further engage with staff to improve efficiency & effectiveness

ACKNOWLEDGEMENTS

Kathryn Best, MD
Anna Hamanjian, MD
Lesley Smith, BSN, RN

Marlene Barcelona, BSN, RN
Kara Grubbs, MSN, RN, CCRN

REFERENCE

Rehder, Kyle J. MD, CPPS, FCCM; Reyes Alvarado, Edith MD; Turner, David A. MD, FCCM. Can We Finally Agree: How We Round Really Matters?*. Pediatric Critical Care Medicine 22(4): p 432-434, April 2021. | DOI: 10.1097/PCC.0000000000002642

Jessica Garris
PICU
ECU Health Maynard Children's Hospital
Greenville, North Carolina 27858
252.847.5383
Jessica.Garris@ecuhealth.org