

Pediatric Early Warning Score (PEWS) Implementation in the PACU

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BACKGROUND

- The Pediatric Early Warning Score (PEWS) is an established pediatric tool used to identify and trend pediatric patients at risk for clinical deterioration.
- PEWS provides an objective score and corresponding action plan based on a patient's vital signs and current assessment.
- The PEWS Scoring system was previously validated and implemented in the ED, ICU, and Acute Care units.
- A need was identified to recognize perioperative patients at risk for clinical deterioration prior to transfer to acute care units leading to the implementation of PEWS in the PACU.

OBJECTIVES

- Identify perioperative patients at risk for clinical deterioration prior to transfer to Acute Care Units via an objective scoring tool utilized throughout the hospital
- Follow corresponding action plan to guide the nurse and physician in determining the most accurate level of care for the patient
- Provide the first PEWS score in the PACU prior to transfer to facilitate score trending

METHODS

- PEWS tool modified and action plan developed for PACU use
- PEWS Tool validated for use in the PACU Validation: 26 patients from 6 OR Services

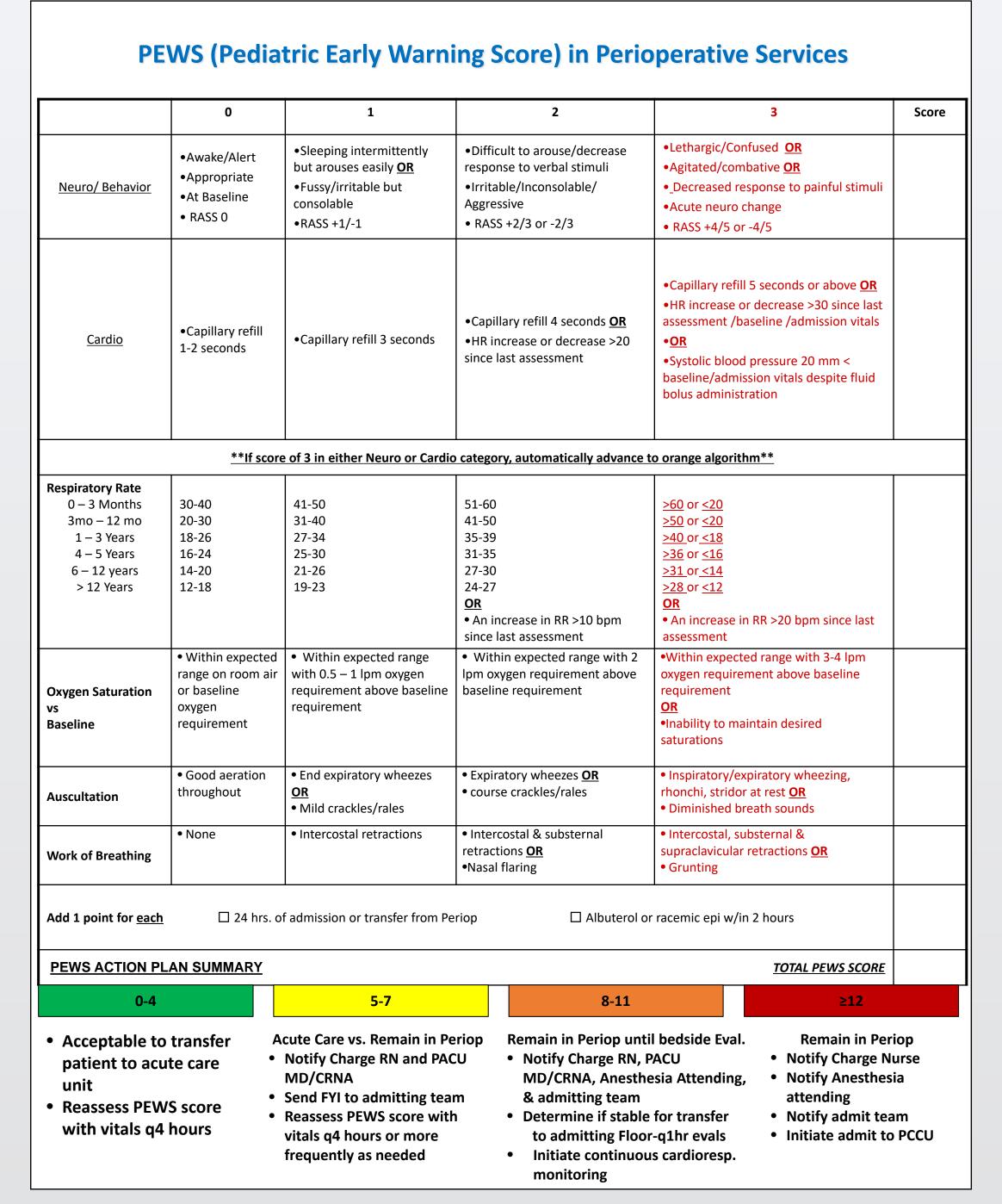
Tool Evaluation:

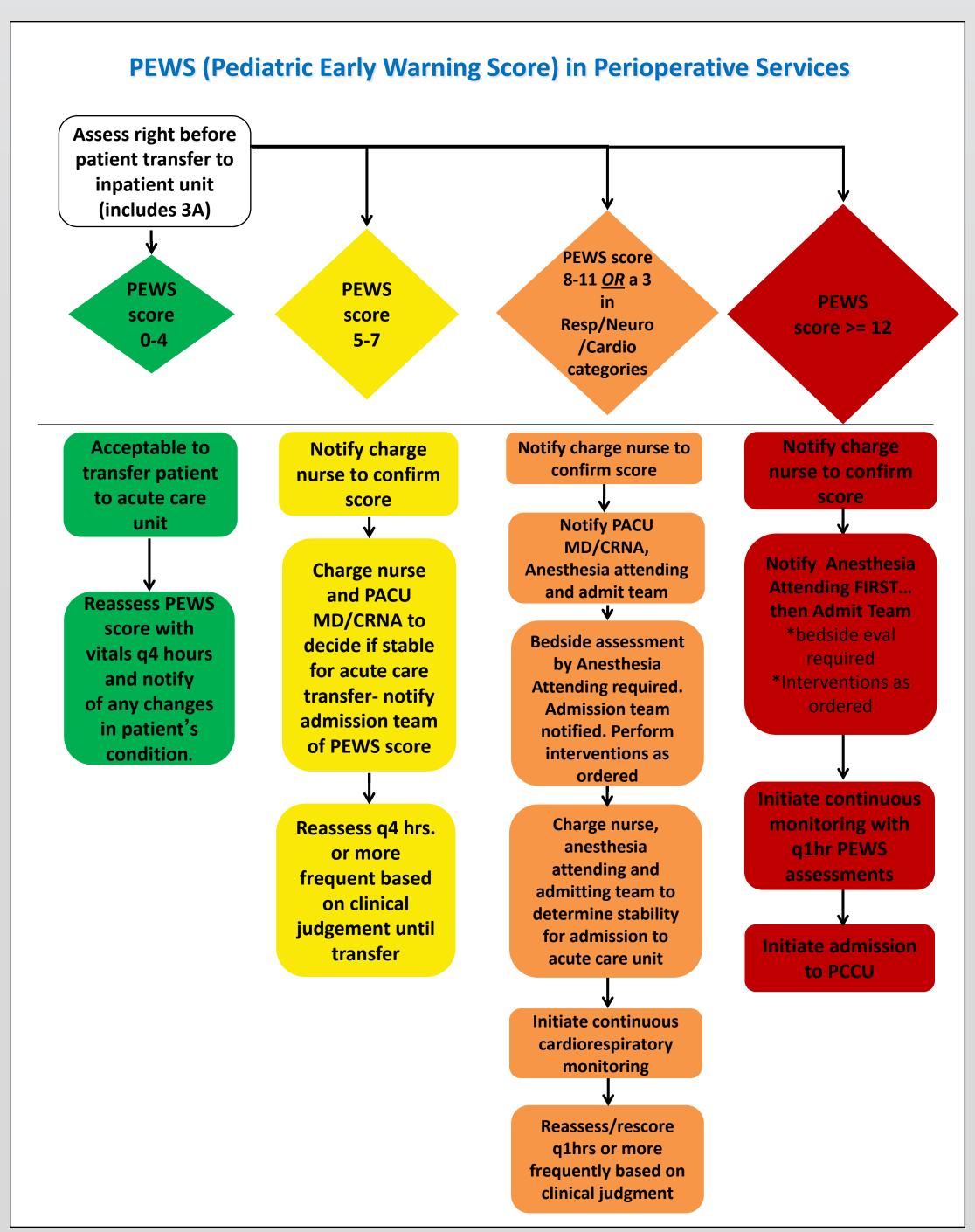
- Did the PEWS score accurately reflect the patient's current acuity/condition?
- Did the score prompt unnecessary additional assessment and intervention?
- Following validation, results were presented to the organization's Resuscitation Committee for endorsement
- Education to PACU nursing staff, anesthesia providers, and proceduralists followed endorsement for use in the PACU

Education included:

- > Inclusion Categories
- Scoring Criteria and Method
- > Action plan algorithm
- The organization received an email SBAR communication for awareness when implementation began

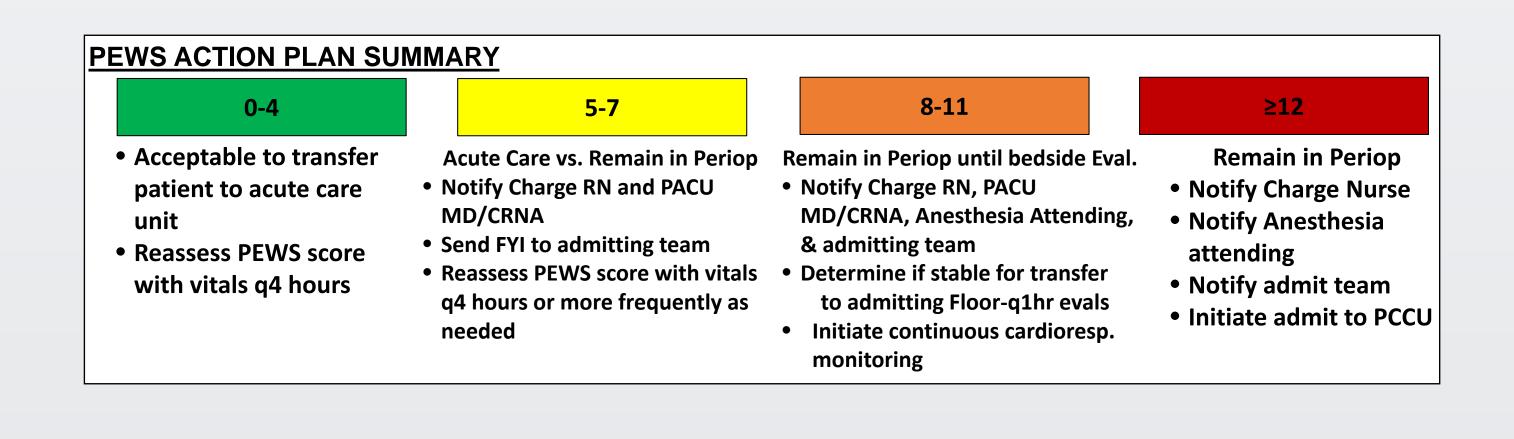
FIGURES





OUTCOMES

Since implementation in July of 2018, 5 pediatric perioperative patients have been identified as at risk for clinical deterioration prior to transfer to Acute Care Units with successful action plan steps followed.



IMPLICATION TO PRACTICE

Use of this tool in pediatric perioperative patients:

- Assists the PACU bedside nurse in providing objectivity to the subjectivity of patient acuity
- Encourages multidisciplinary collaboration to ensure appropriate resource utilization and post-operative care plans



ACKNOLWEDGEMENTS

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