

Educating RNs to provide Care for Patients Receiving ECMO

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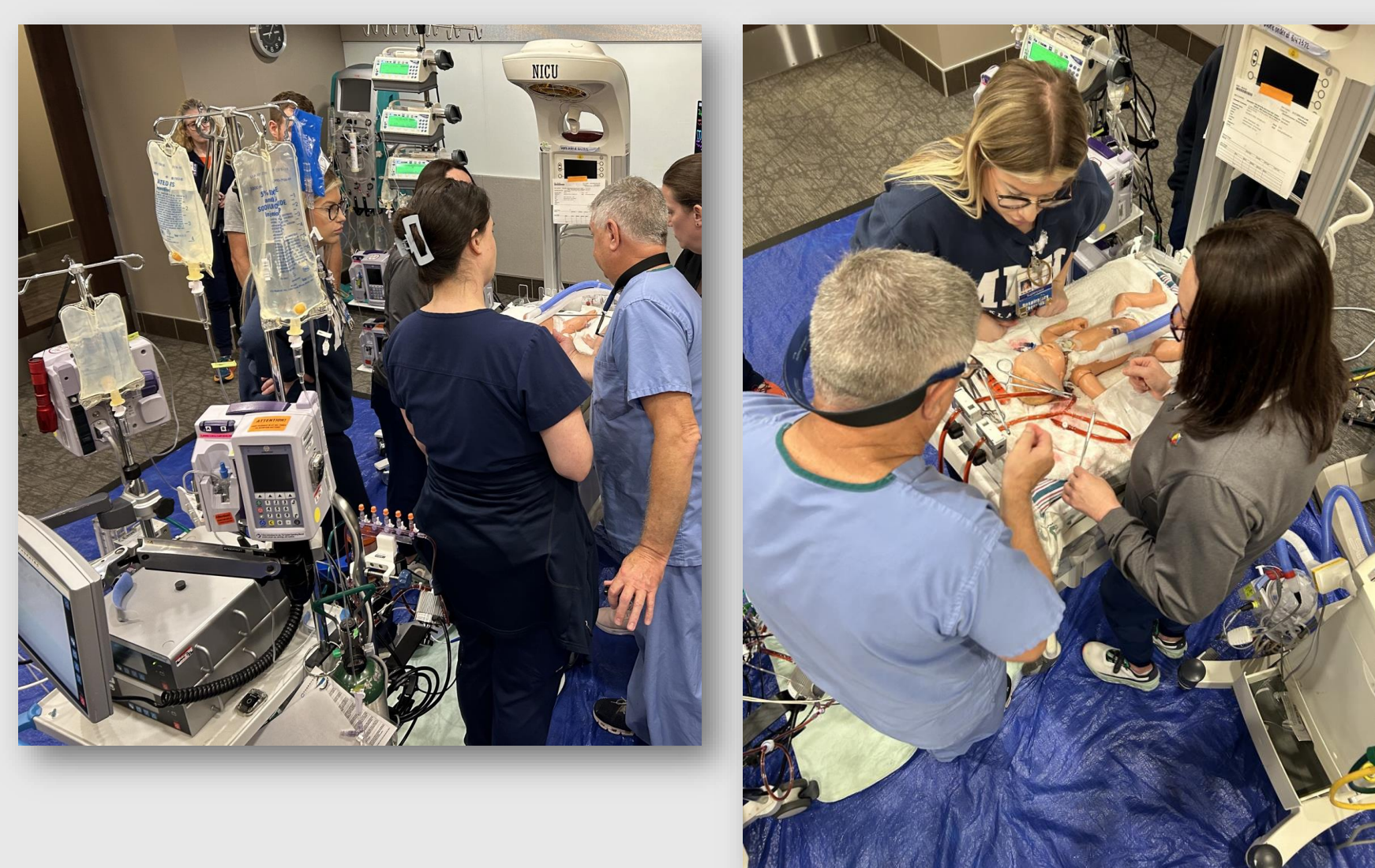


Background

- Critical care areas at a children's hospital identified a knowledge-practice gap related to the bedside nursing care of patients receiving extracorporeal membrane oxygenation (ECMO).
- Prior to the practice change, most nurses received just-in-time education on providing bedside care to a patient receiving ECMO.
- This increased the risk of complications, clinical decline, and disrupted care delivery.

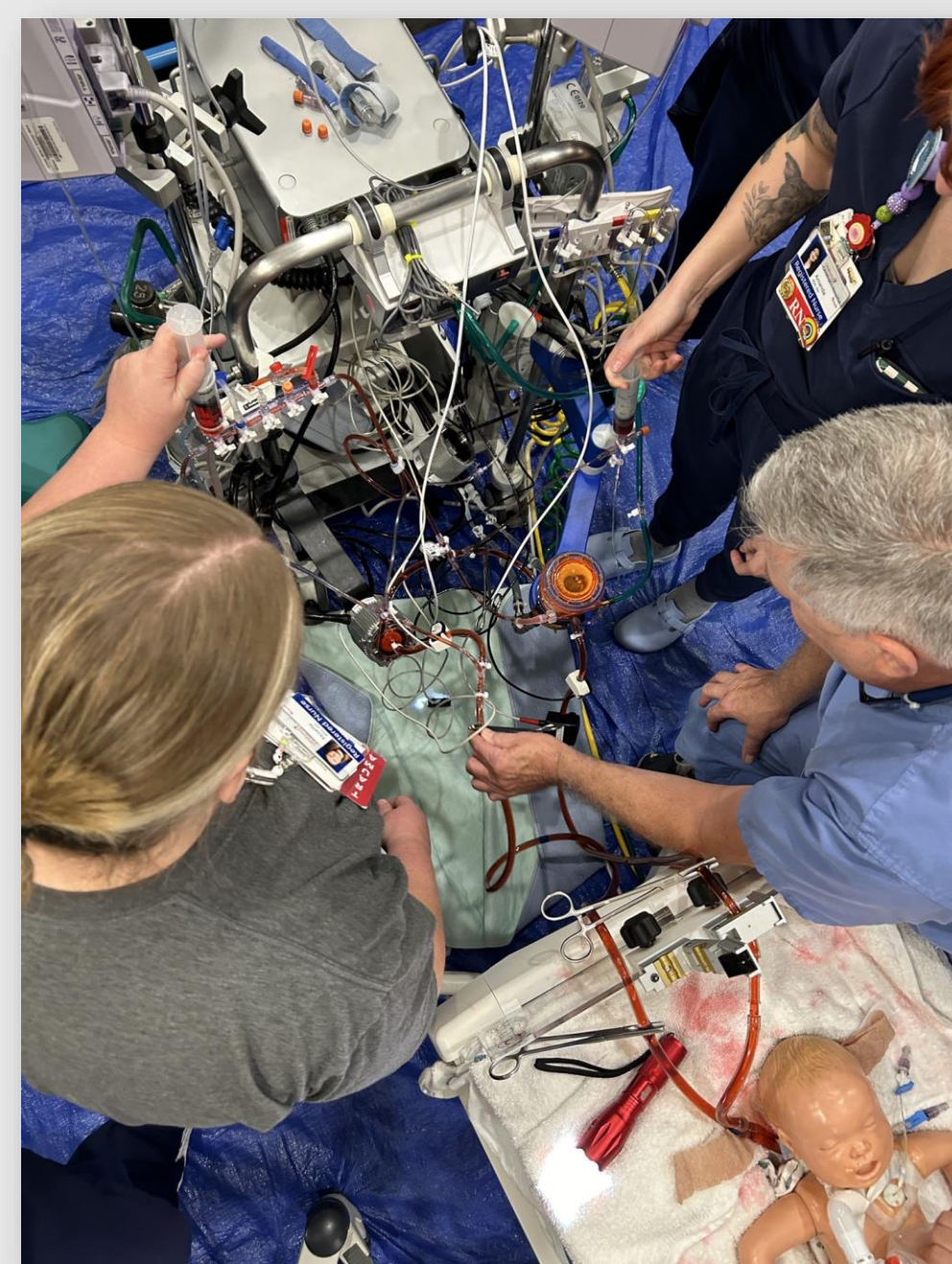
Aim

- Increase the number of ECMO-educated critical care nurses providing care to patients on ECMO by 10% in 12 months.
- Improve self-reported confidence among RNs in providing bedside care to patients receiving ECMO.



Methods

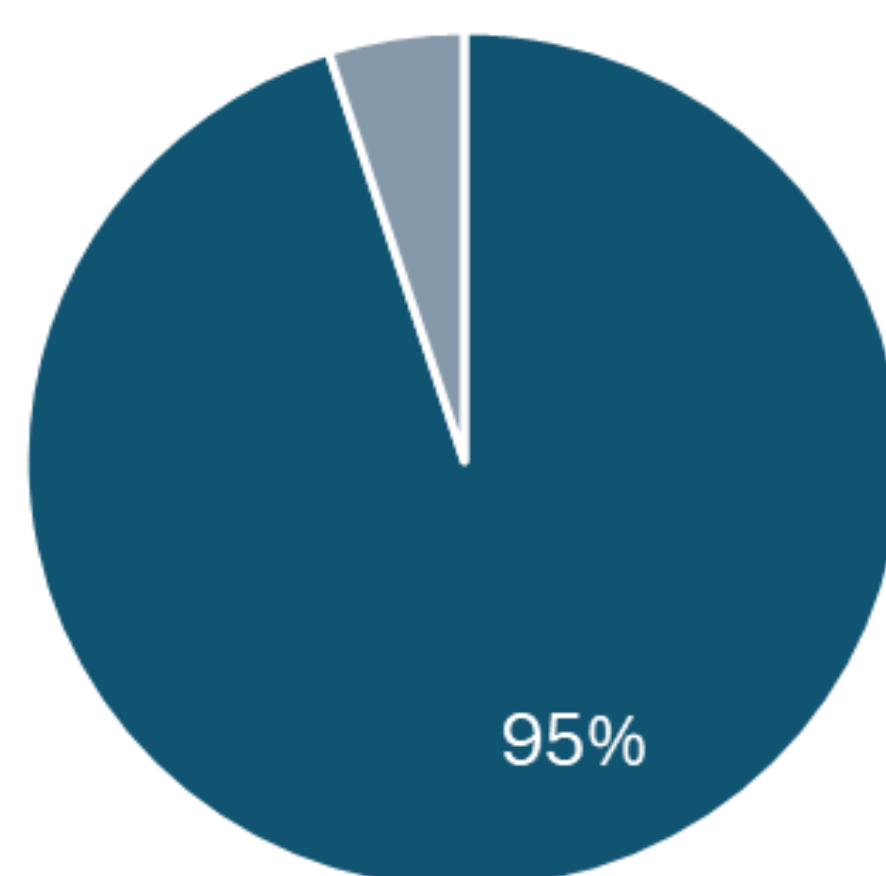
- Content for education was created after reviewing ELSO standards, consulting subject matter experts, and identifying learning objectives based on a needs assessment.
- A dynamic didactic class was developed and offered to nurses in the pediatric critical care areas.



Results and Outcomes

- The total number of nurses who attended the classes was calculated and an electronic post-survey was disseminated to them via QR code.
- This survey asked respondents about their experience in the class and their ability to provide care for ECMO patients.

RN Perception of ECMO Training



- Perceived as Valuable to Nursing Practice
- Not Perceived as Valuable to Nursing Practice



Conclusions

- The initial goal of educating 10% of staff was exceeded; 50% of eligible critical care nurses were trained to provide bedside care to ECMO patients.
- Nurses self-reported that the teaching was helpful as it provided a detailed overview of ECMO and the rationale for ECMO care delivery.
- In the post-survey, 95% of nurses stated they felt the class was valuable for their practice and enjoyable.

Lessons Learned

- Engaging learning from subject matter experts enhanced the learners' experience.
- Identifying the appropriate time to offer classes to RNs was critical; ensuring they have a foundation of critical care experience is needed.
- Nurses reported wanting more hands-on emergency situations with patients on ECMO.

Get in touch!

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References

