

# Improving Efficiency of a Pediatric Critical Care Transport Team

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## BACKGROUND

Educational opportunities were identified to optimize the departure time for the YNHCH Transport Team.

Benchmarked times from the Commission on Accreditation of Medical Transport Systems (CAMTS) confirmed there was room for improvement to meet the national standard for departure of  $\leq 30$  minutes.

Longer departure times were adding to sending facility frustration and decisions to use other means of transport which lacked pediatric critical care expertise.

## OBJECTIVES

Develop & implement an educational program to support a 24/7 in-house pediatric critical care transport team.

Improve efficiency

Improve referral provider satisfaction by increasing transport team arrival times and availability

Increase team availability to transport additional children



## METHODS

We reviewed industry best practices for pediatric transport teams, including a site visit to a well established transport program at a large academic medical center.

Developed training for transport nurses and paramedics specific to:

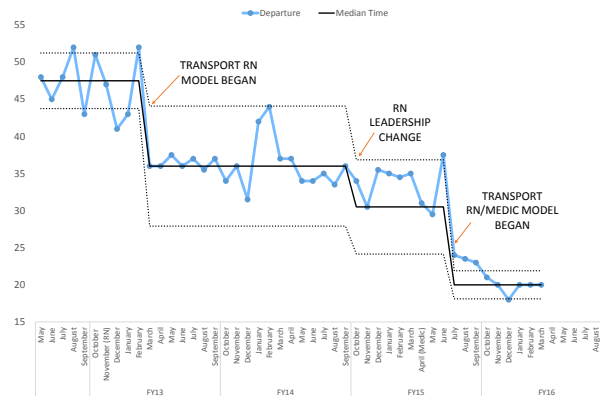
- Advanced airway management
- Advanced procedural skills
- Ventilator management
- In depth simulation sign off

Developed structured standard operating procedures as well as clinical care protocols.

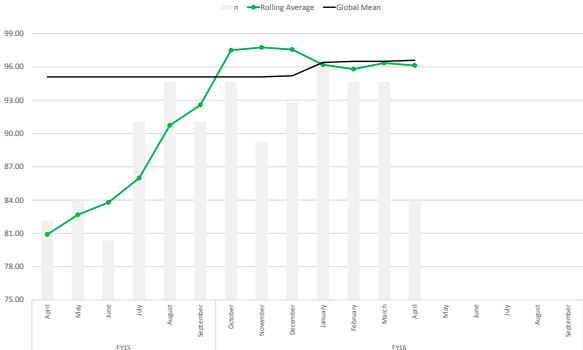
Provided continuous monthly didactic and simulation training.

## POST-TRAINING OUTCOMES

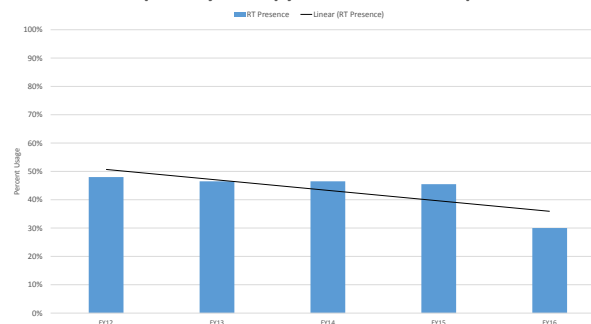
Median Transport Team Departure Time



Transport Team Referral Satisfaction

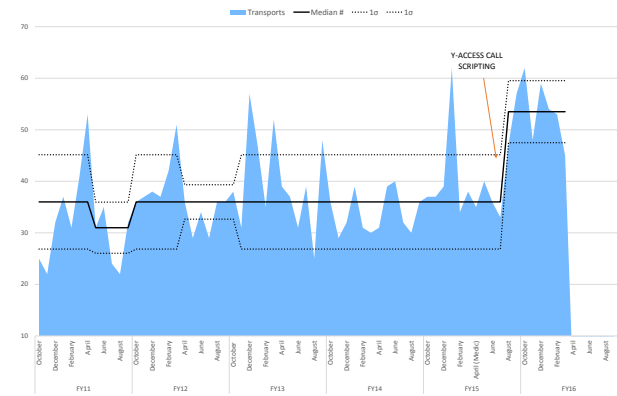


Respiratory Therapy Presence on Transport



## POST-TRAINING OUTCOMES

Transport Team Call Volume



## CONCLUSIONS

After a significant onboarding process and extensive staff education program, a dedicated pediatric critical care transport team model was developed.

Implementation has significantly reduced hospital departure times, improved referral provider satisfaction, increased pediatric transport volume and reduced reliance on pulling additional team members from staffing.

With this improved efficiency, the specially trained pediatric critical care transport team has been able to safely deliver critically ill children to definitive care more promptly.

