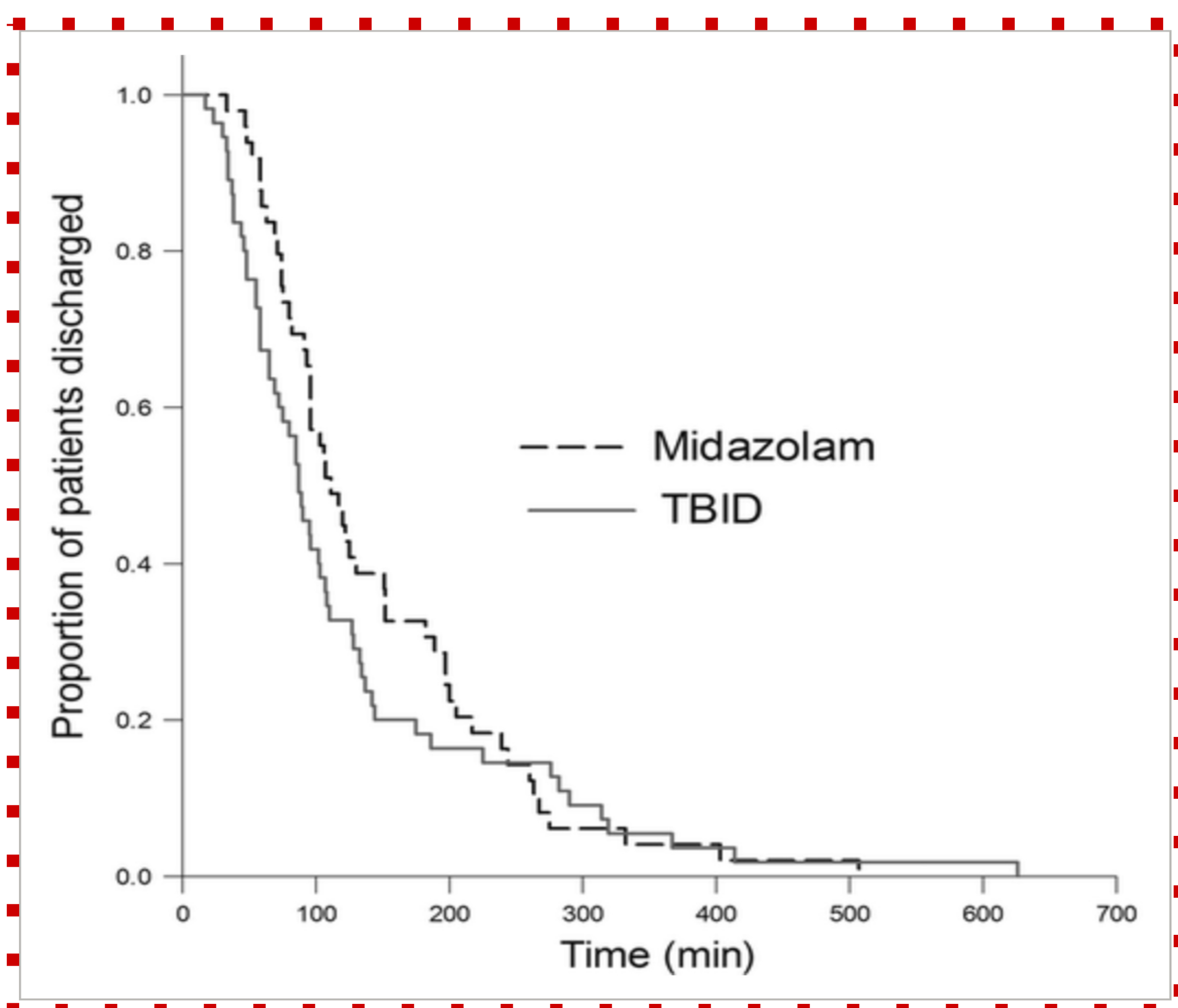


Introduction

- Induction of general anesthesia is an extremely stressful time for children. Increased levels of anxiety during induction are associated with negative outcomes.
- Video-based distraction techniques upon pediatric induction have shown to be effective in reducing levels of anxiety, however, there is a gap between the data and clinical practice.
- Purpose
 - Education and dissemination of current data
 - Maximize the benefits of technology in clinical practice
 - Improve the pediatric perioperative experience and clinical outcomes

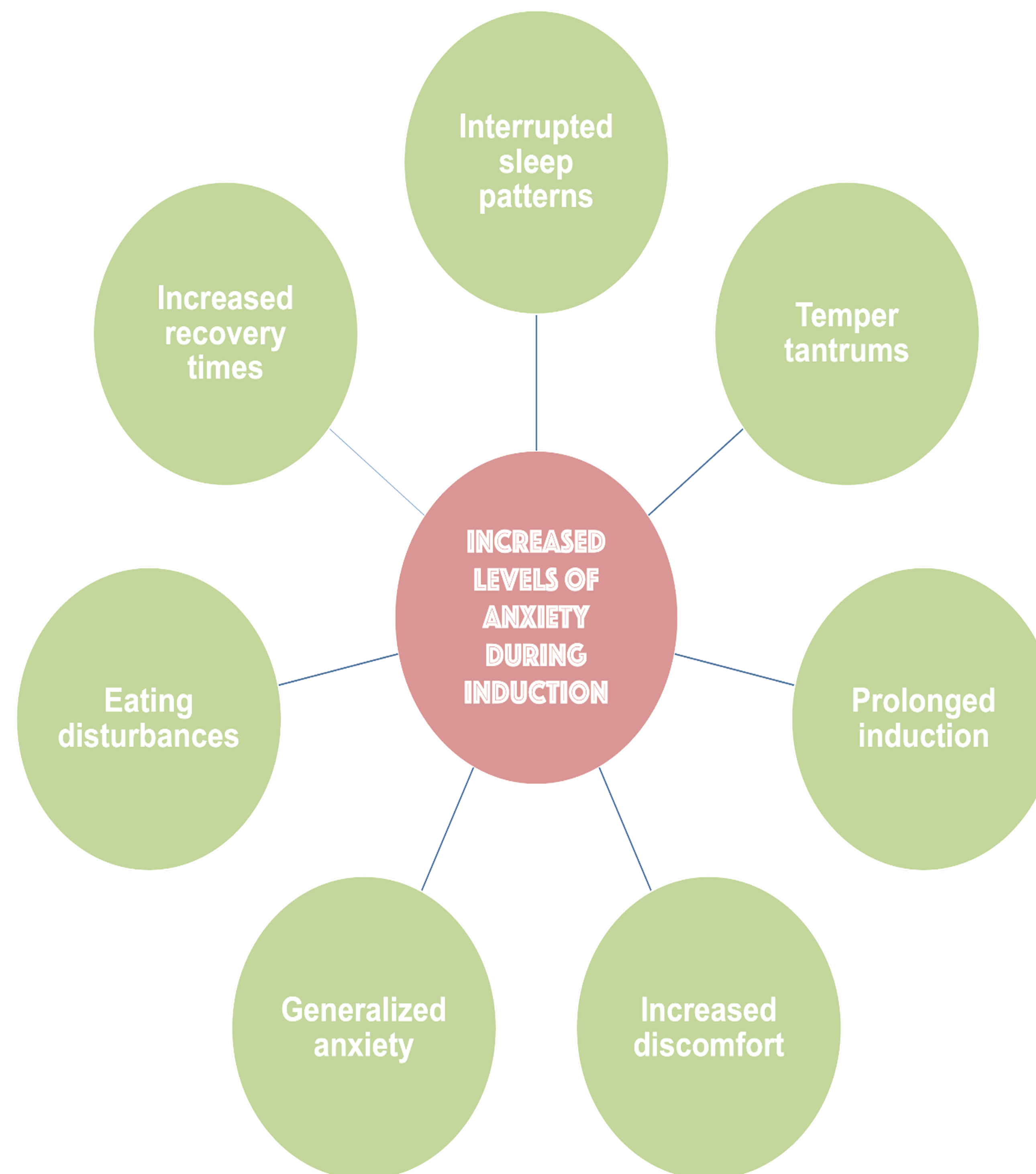


Background & Significance

- According to the National Health Interview Survey (NHIS), approximately 3.9 million surgeries are performed on children each year (Rabbitts et al., 2020).
- In the setting of COVID-19, parents are not routinely allowed in the ORs for induction, thus we must consider alternative interventions.
- Children undergoing surgery are at an increased risk of experiencing perioperative anxiety and its associated negative effects.

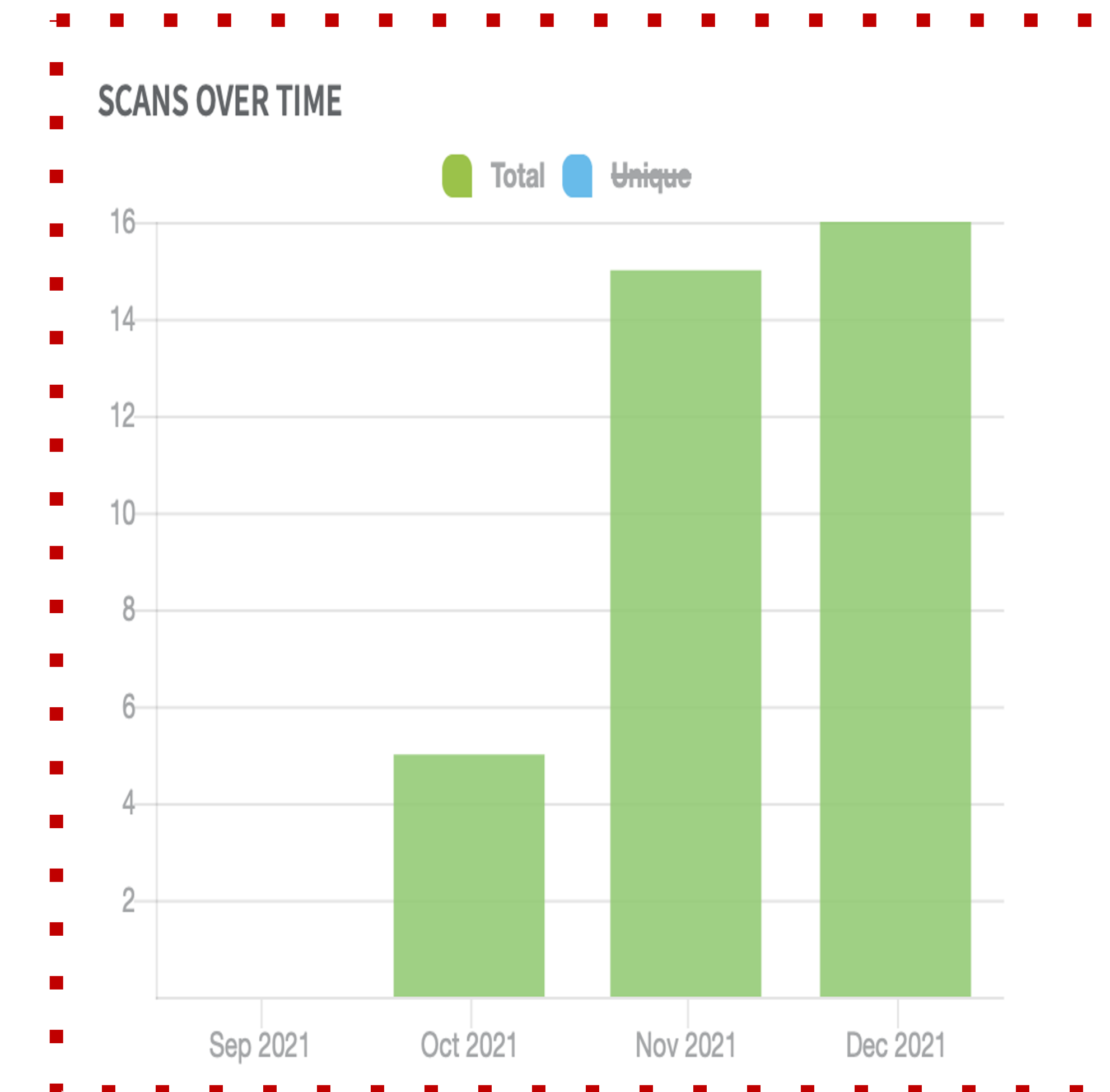
Methodology

Design	<ul style="list-style-type: none"> □ Descriptive, qualitative approach utilizing observational data in pediatric operating rooms. □ Flyers highlighting the benefits of video-based distraction were electronically distributed to NAPA anesthesia providers.
Setting	Pediatric operating rooms receiving anesthesia services from a private, contracted, anesthesia group.
Population	Certified Registered Nurse Anesthetists (CRNAs) and physician anesthesiologists.
Measures	Observational data collection to determine the number of times a video streaming device was used prior to induction.
Analysis	Event sampling utilized to determine how many times video-based distraction techniques were used by pediatric anesthesia providers before and after implementation of flyers.



Results & Implications

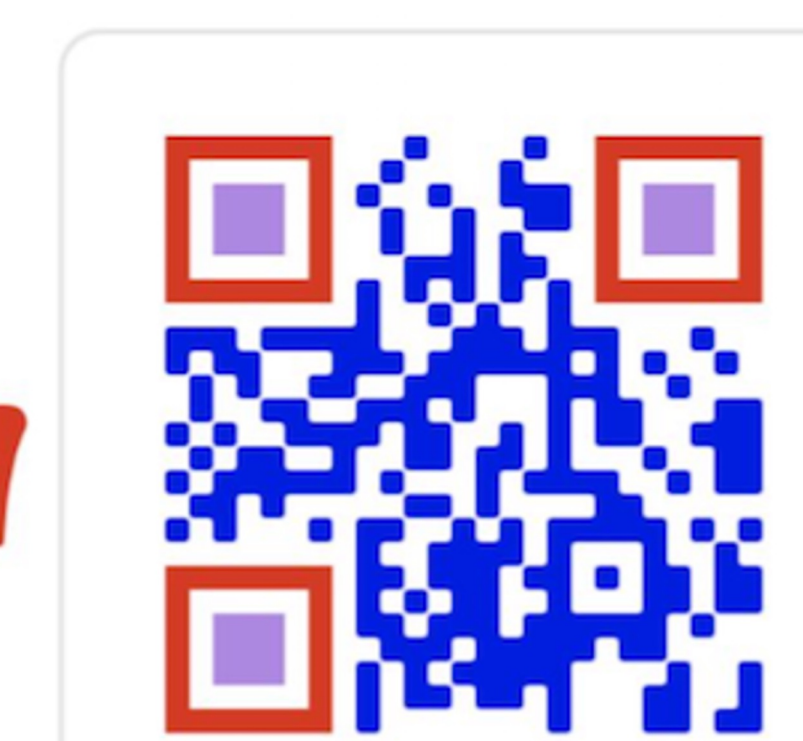
- Pre-intervention baseline usage rate for video-distraction: **40%**
- Post-intervention usage rate for video distraction: **77.2%**
- Total number of QR scans: **36**



- Consistent use of video distraction can provide a cost effective alternative and/or adjunct to parental presence
- Reduced levels of anxiety = shorter PACU stays = more efficient services
- Allows for future iterations of the project to be continued and become a consistent adjunct to clinical practice

Please scan the barcode to view videos. Please contact Bryan Gaeta or Jacqueline Palmer for a complete list of references

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