

Introduction

Dental treatment of pediatric patients can be confounded by lack of cooperation for dental procedures and even radiographs and exams [1]. Due to their age and uncooperative behavior, general anesthesia is a common modality of treatment for these children. In an AAPD poll, 87% of board-certified pediatric dentists reported using general anesthesia for uncooperative patients [2].

The purpose of this study is to assess changes in behavior in children who have undergone dental treatment under general anesthesia at Woodhull Medical Center’s Pediatric Dental Practice. Data collection will be done by analyzing Frankl Behavior Scale scores during recall visits before and after treatment under general anesthesia

Objectives

* To determine if there are negative correlation in Frankl score for patients after undergoing surgery in the hospital

* To consider differences that exist between a hospital and private practice settings that may impact the overall experience for a child undergoing general anesthesia

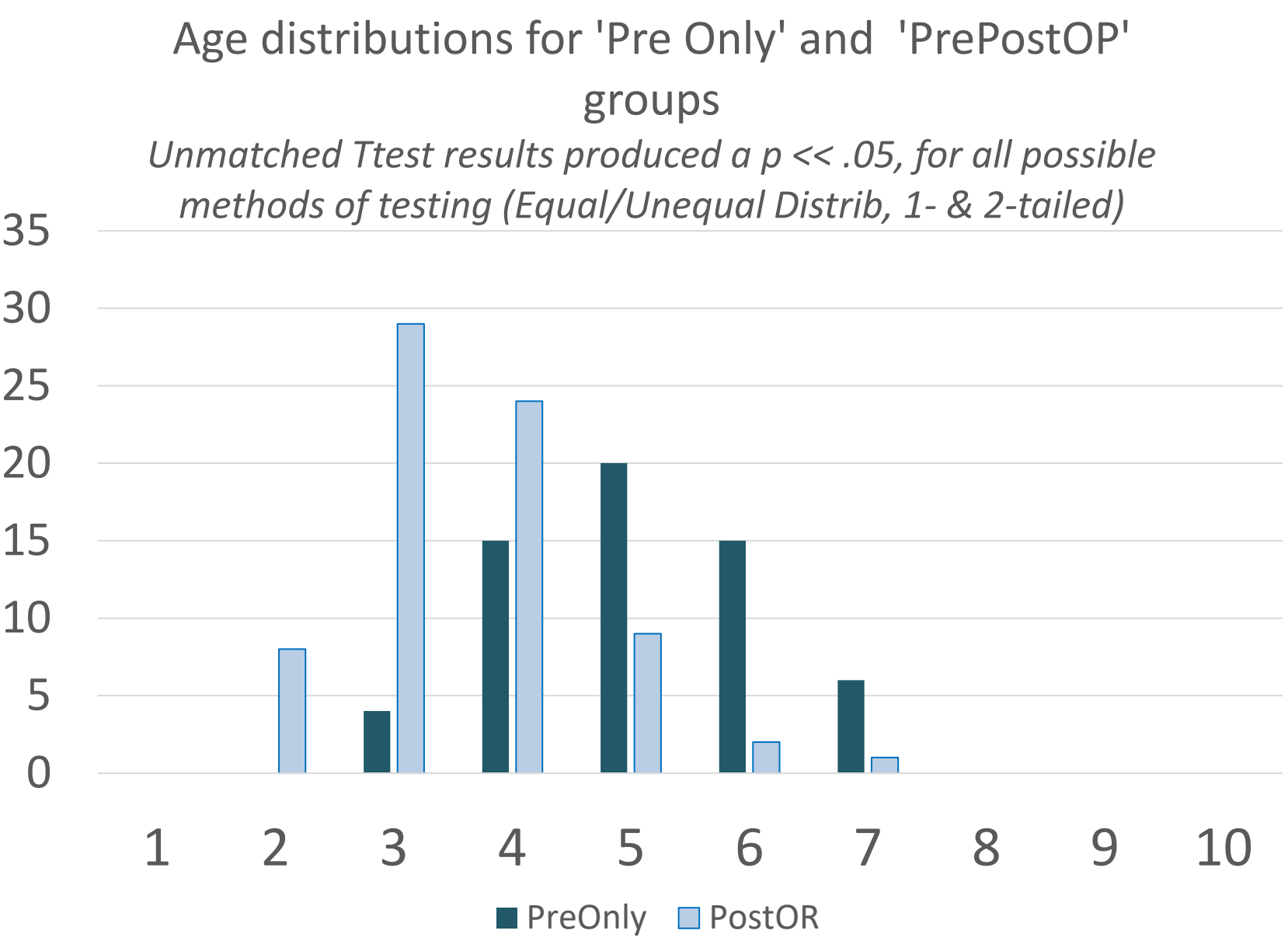
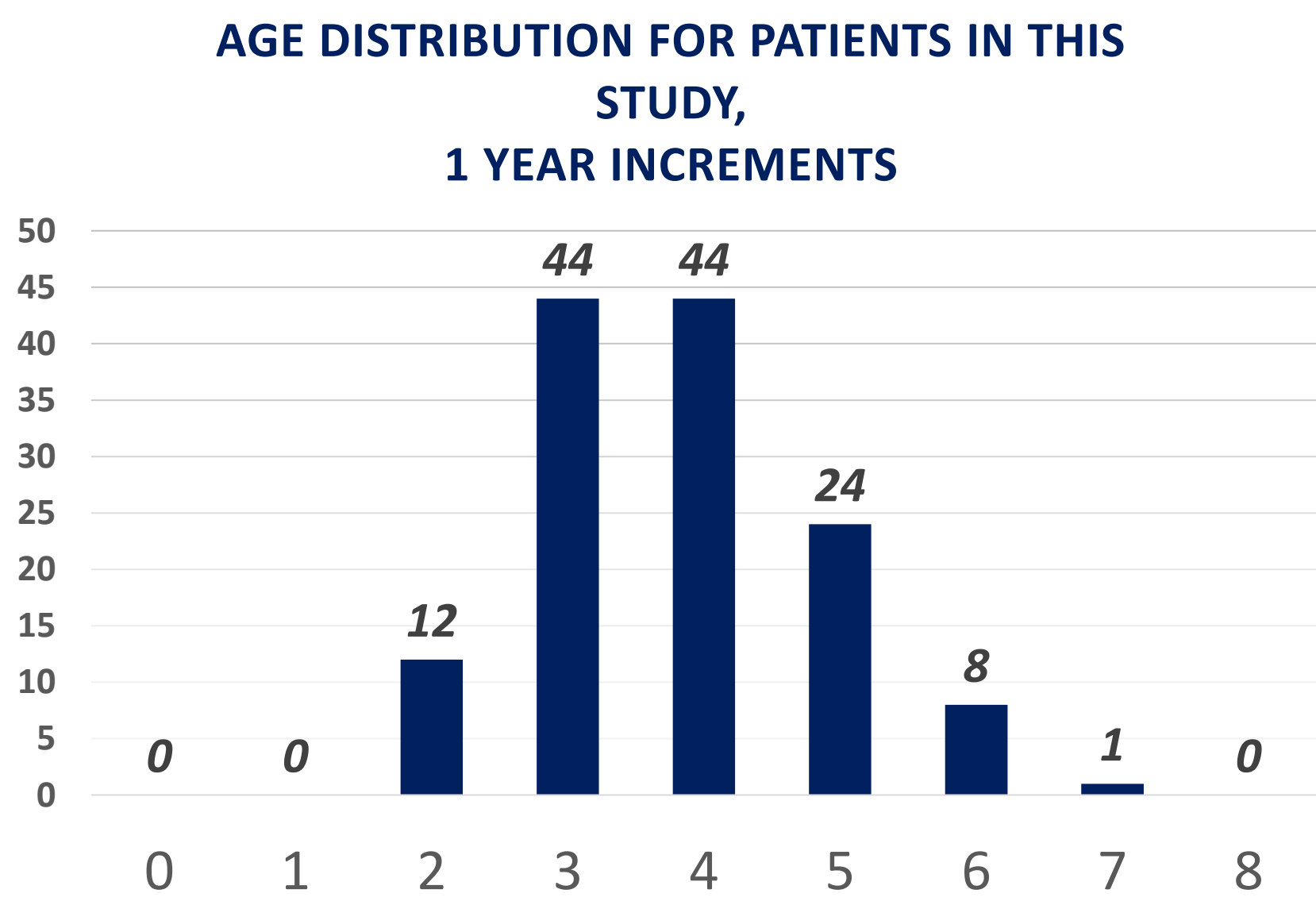
* To recommend accommodations or modifications a hospital can make in order to improve behavioral outcomes

Methods

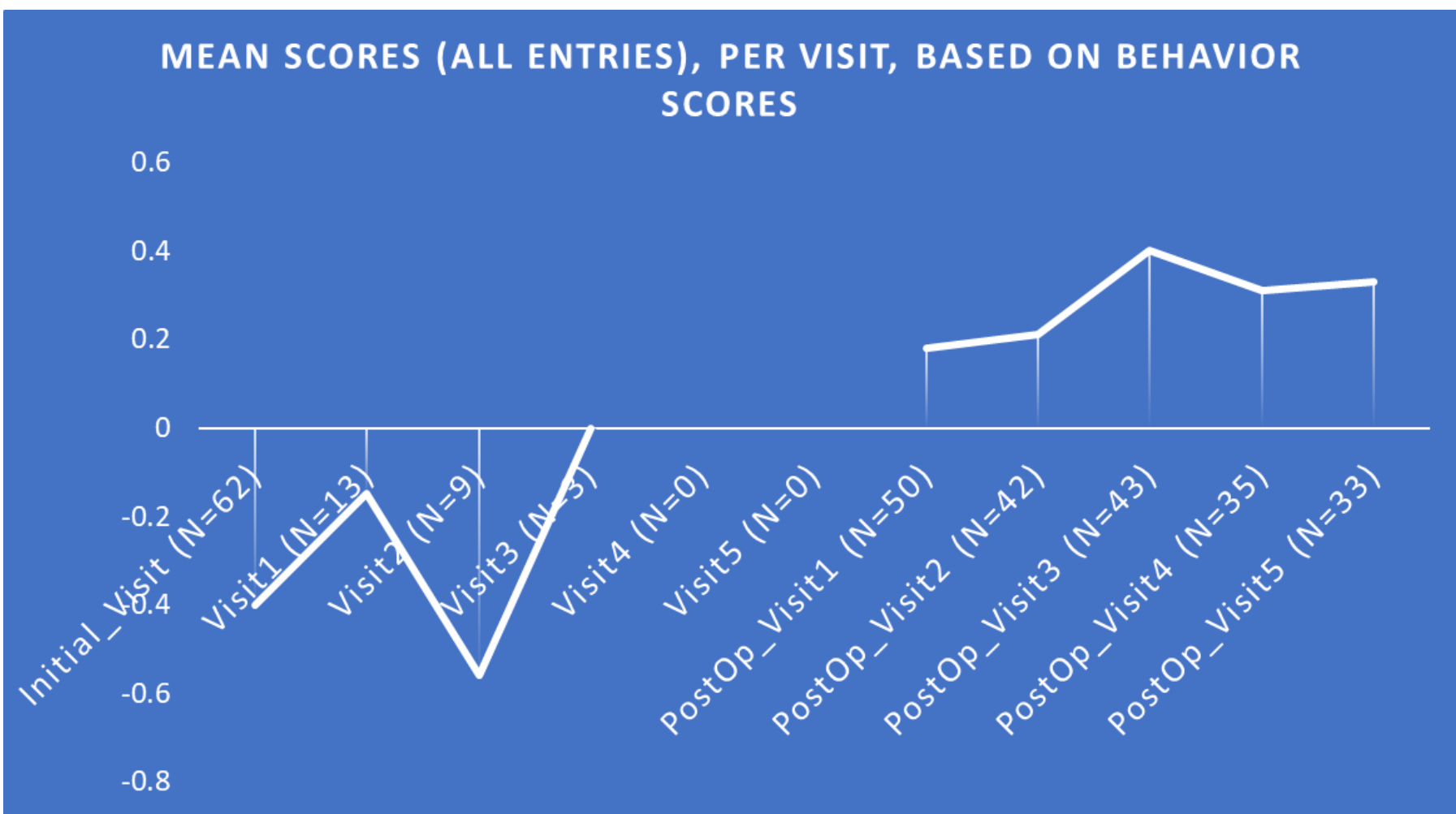
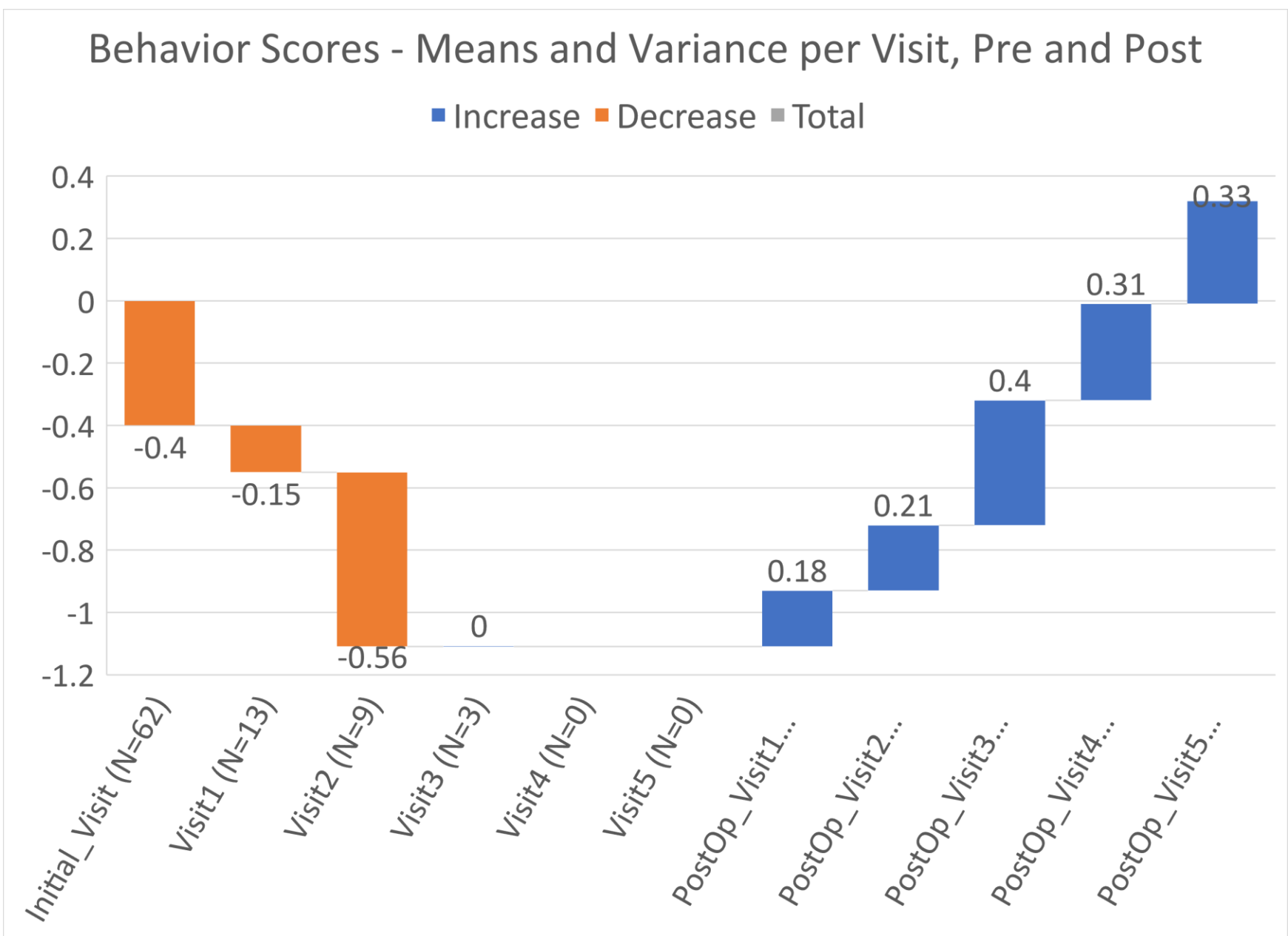
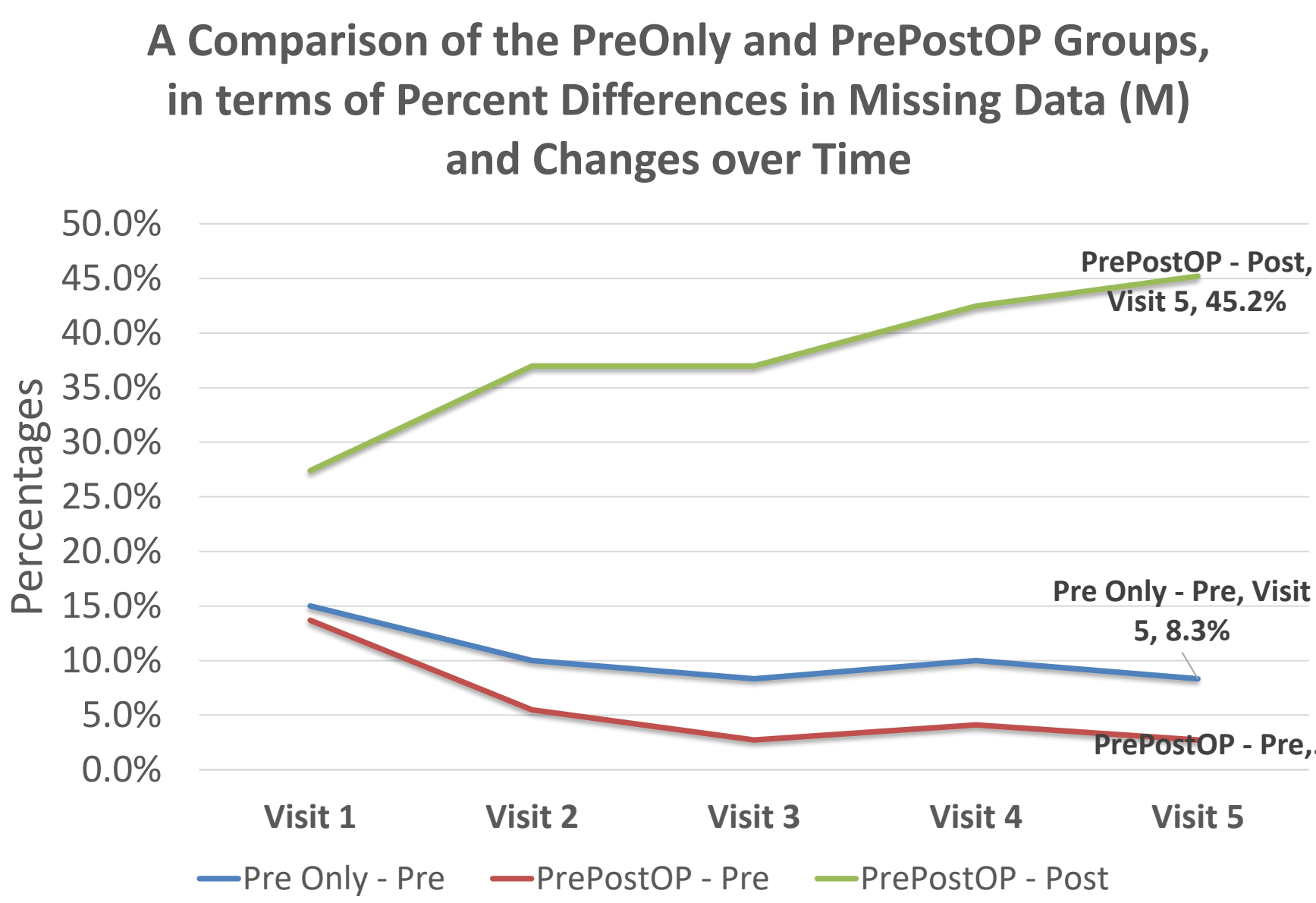
* This study will analyze the pediatric patient population at Woodhull Medical Center

* Pediatric Dental Clinic that have undergone a general anesthesia procedure. Age, Frankl score at initial visits, Frankl score at recall visits before procedure and 6- and 12- month follow-up visits

Results



Results



Conclusion

* Mean age of patient is 3-4 years old and of those patients that returned for recall appointments post-OR, the mean age is lower

* Of 138 patients that underwent complete oral rehabilitation under general anesthesia, 61 did not return for post-surgery recalls. Of the patients that returned for recall appointments post-OR, increased rates of recall no-show rates are seen

* Marked improvements in behavior are noted post-ORBehavior appears to improve progressively over time

References

1 Campbell RL, Shetty NS, Shetty KS, Pope HL, Campbell JR. Pediatric Dental Surgery Under General Anesthesia: Uncooperative Children. Anesth Prog. 2018 Winter;65(4):225-230. doi: 10.2344/anpr-65-03-04. PMID: 30715931; PMCID: PMC6318733.

2 Pham L, Tanbonliong T, Dizon MB, Huang A, Cooke M. Trends in General Anesthesia Utilization by Board-Certified Pediatric Dentists. Pediatr Dent. 2018 Mar 15;40(2):124-130. PMID: 29663913.