

Comparison of Advanced Pharmacological Behavioral Guidance Techniques and Recall Compliance



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INTRODUCTION

- Periodic examinations completed every 6 to 12 months are essential for caries detection, reinforcing oral hygiene, and applying fluoride¹
- A retrospective study at Louisiana State University Health Sciences Center showed that patients who underwent general anesthesia had more frequently missed periodic exams within one year than patients who underwent sedation¹
- The inability of parents to comply with the need for periodic examinations following treatment utilizing advanced behavioral guidance may lead to early relapse of further treatment needs²

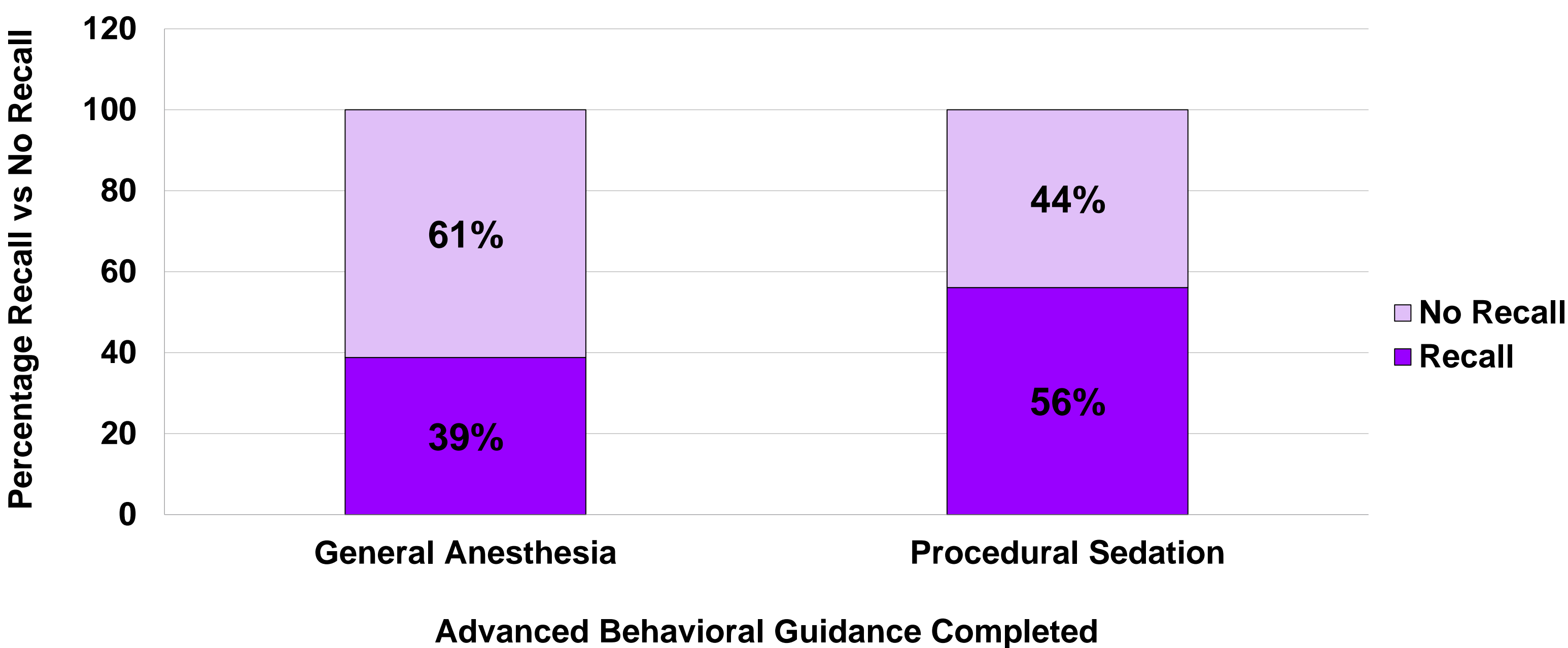
PURPOSE

- Investigate dental recall attendance after dental treatment using general anesthesia (GA) or procedural sedation for registered patients between January 2022 to May 2023 at the rural Federally Qualified Health Centers in Yakima Valley Farmworkers Clinics - Children’s Village and Lincoln Avenue Pediatric Dental Clinics

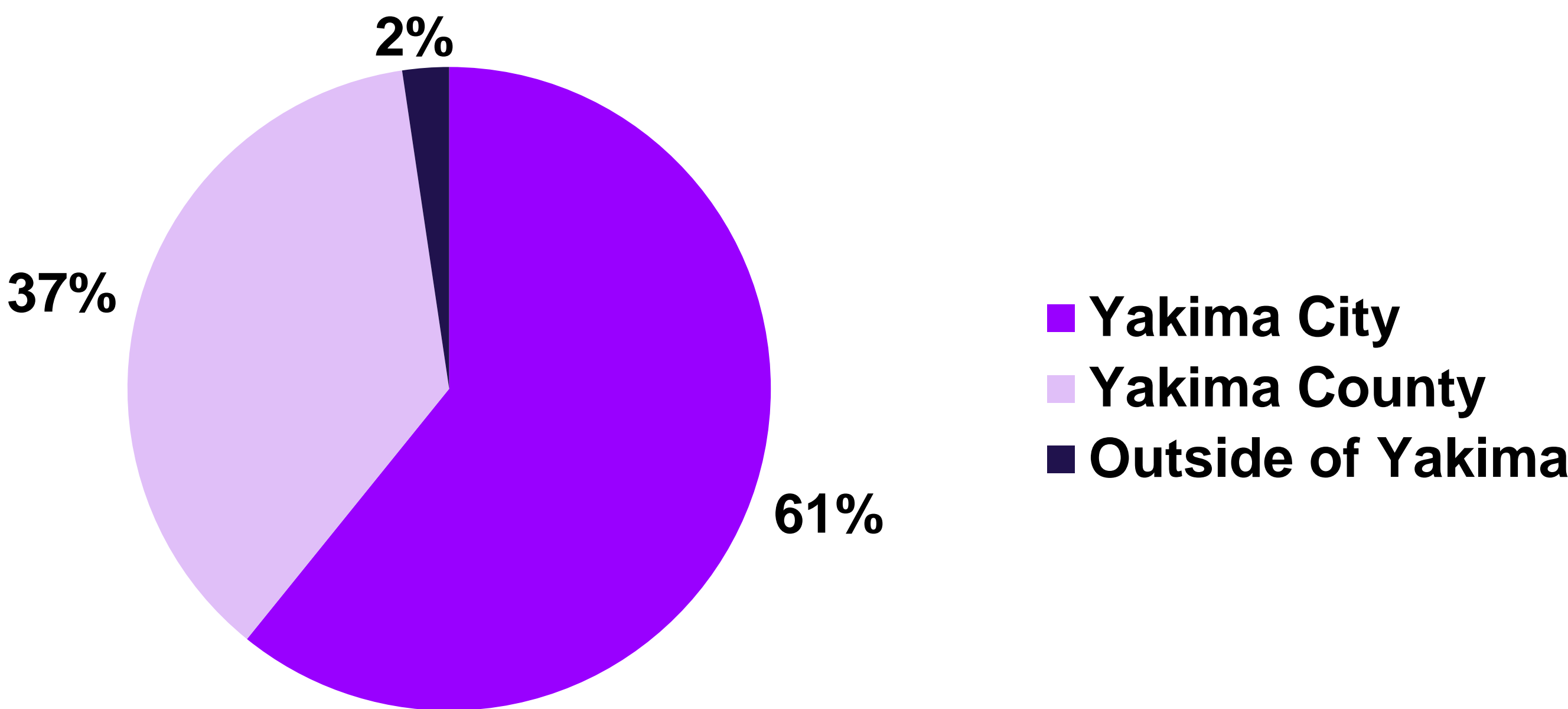
METHODS

- 513 Charts were screened to meet inclusion criteria. The patient's information on age, gender, type of anesthesia, recall in one year after treatment completion, and residence location were analyzed
- Significance was set at the P<.05 level

DESCRIPTIVE ANALYSIS BY RECALL GROUP



RESIDENTIAL LOCATION REVIEWED BY RECALL ATTENDANCE



RESULTS

- A total of 39% of general anesthesia and 56% of procedural sedation patients returned for the recommended recall visit in the 6 mo following their surgery
- 61% of the patients live in the city of Yakima, 37% of the patients live in Yakima County, and 2% of the patients live outside of Yakima County
- Within the study population, 43% of patients were between the ages 5 to 6 years old with a slight predilection of males at 59%

CONCLUSIONS

- Although both treatment modalities demonstrated low dental recall attendance, this study revealed higher recall rates for patients whose treatment was completed under procedural sedation compared to GA
- Location of primary residency to the dental clinic did not affect recall attendance in this patient population

REFERENCES

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- [2] Michel S, Bansal N, Greene C. Impact of Follow-up Visit Timing Recommendations After Dental Rehabilitation Under General Anesthesia. *Pediatr Dent*. 2021; 43(6); 470-4