

Impact of Training Site on Practice Location



Karissa Morrison, Rebecka Haats
NYU Langone Hospitals-Advanced Education in Pediatric Dentistry, Brooklyn, NY
Hansjorg Wyss Department of Plastic Surgery, Division of Dental Medicine, NYU Grossman School of Medicine

NYU Langone Dental Postdoctoral
Residency Programs

INTRODUCTION

- Living in a rural, or underserved area has impacts on healthcare access
- Two thirds of Health Professional Shortage Areas (HPSA) are in rural areas, with 46 million Americans living in these areas¹
- Traveling a greater distance leads to a decrease attending appointments²
- Children in rural areas have the highest poverty rate and are less likely to receive care²
- 47% of children living in rural areas are insured by Medicaid³
- Healthcare professionals are ten times more likely to work in rural areas if they have previously lived in a rural area⁴
- While ~40% of pediatric dental residents would like to practice in a rural area, only ~4% intend to do so⁵
- The number or pediatric dentists available has an impact on dental care for pediatric patients⁶
- NYU Langone has multiple Advanced Education in Pediatric Dentistry (AEPD) training sites located in urban and rural settings. Yakima, WA is a rural site, and San Diego is an urban site

PURPOSE

To determine if there are any significant differences in age, gender, insurances accepted, services offered, number of years practicing, desired practice location before residency, and practice location post residency between pediatric dentists who trained in an urban (San Diego) vs a rural (Yakima) setting

METHODS

- A survey was sent to 27 Yakima and 54 San Diego NYU Langone AEPD alumni that attended the program between 2014-2022
- Survey questions included: age, gender, insurances accepted, sedation services offered, number of years practicing, desired practice location before residency, and practice location post residency
- RedCap was utilized to send the survey and store data
- Statistical analysis was performed to determine any significant differences

FIGURES

Figure 1. Practice Setting Post Residency Compared to Training Site Setting

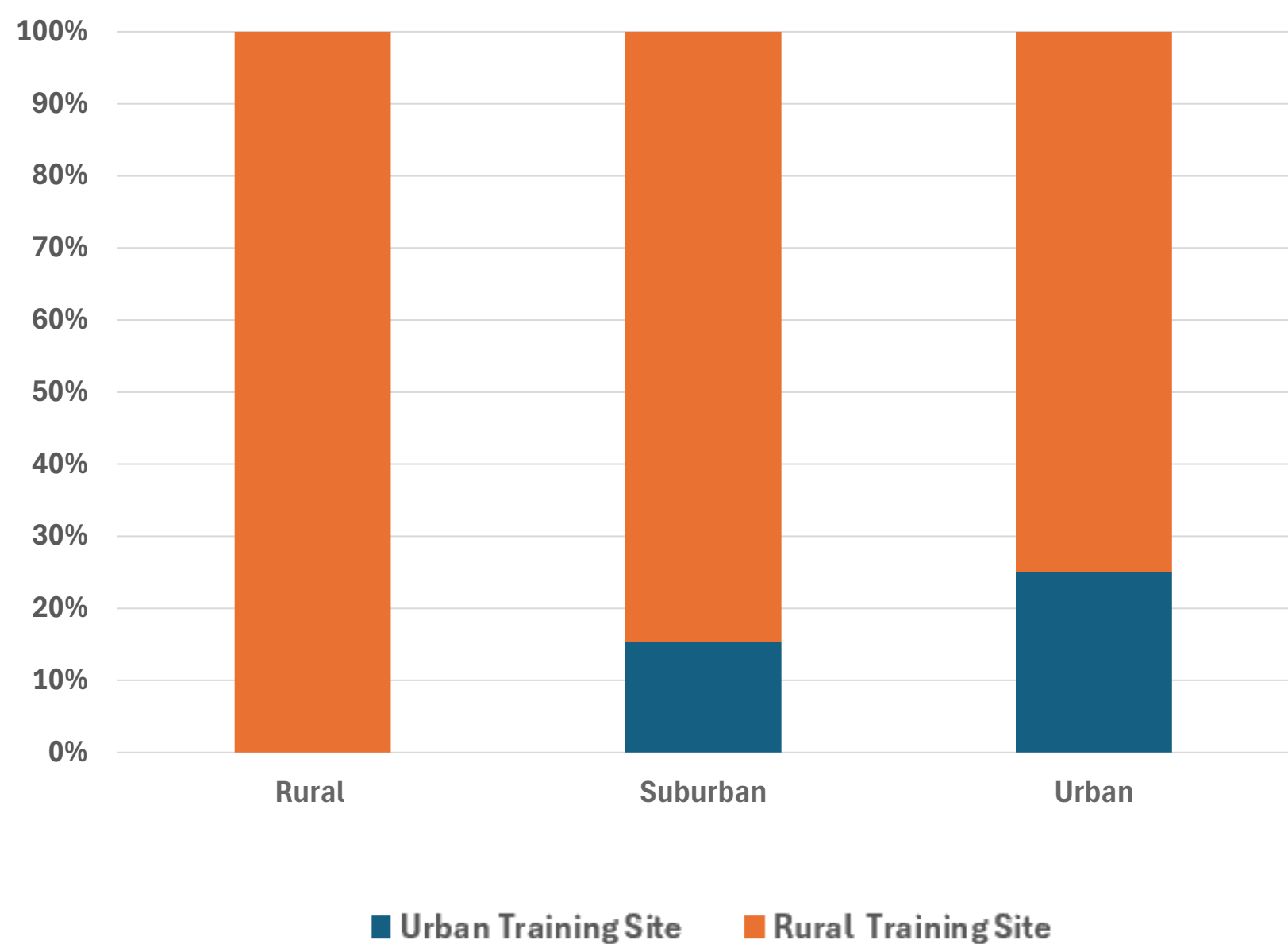


Figure 2. Services Offered and Insurances Accepted by Practice Location

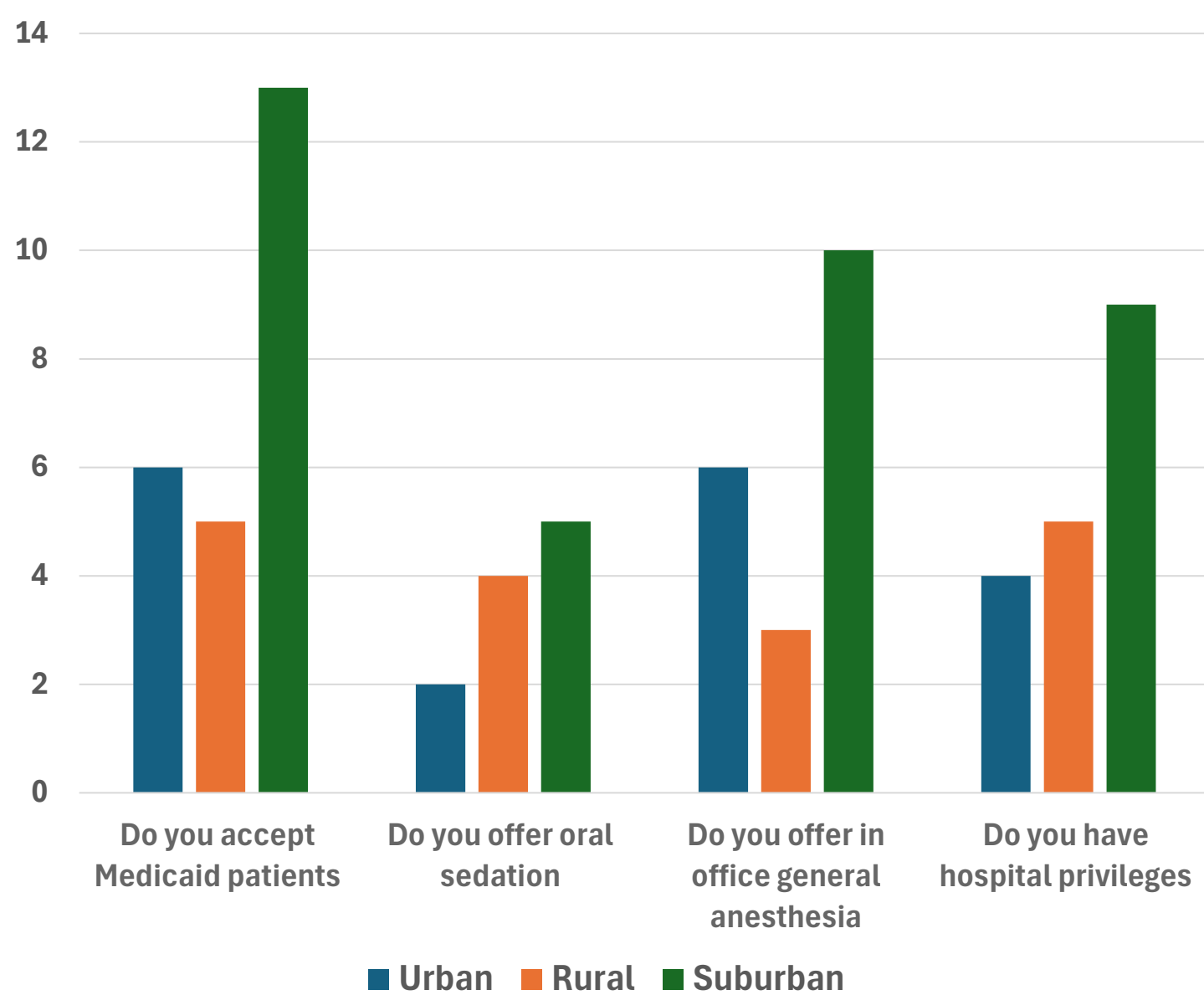
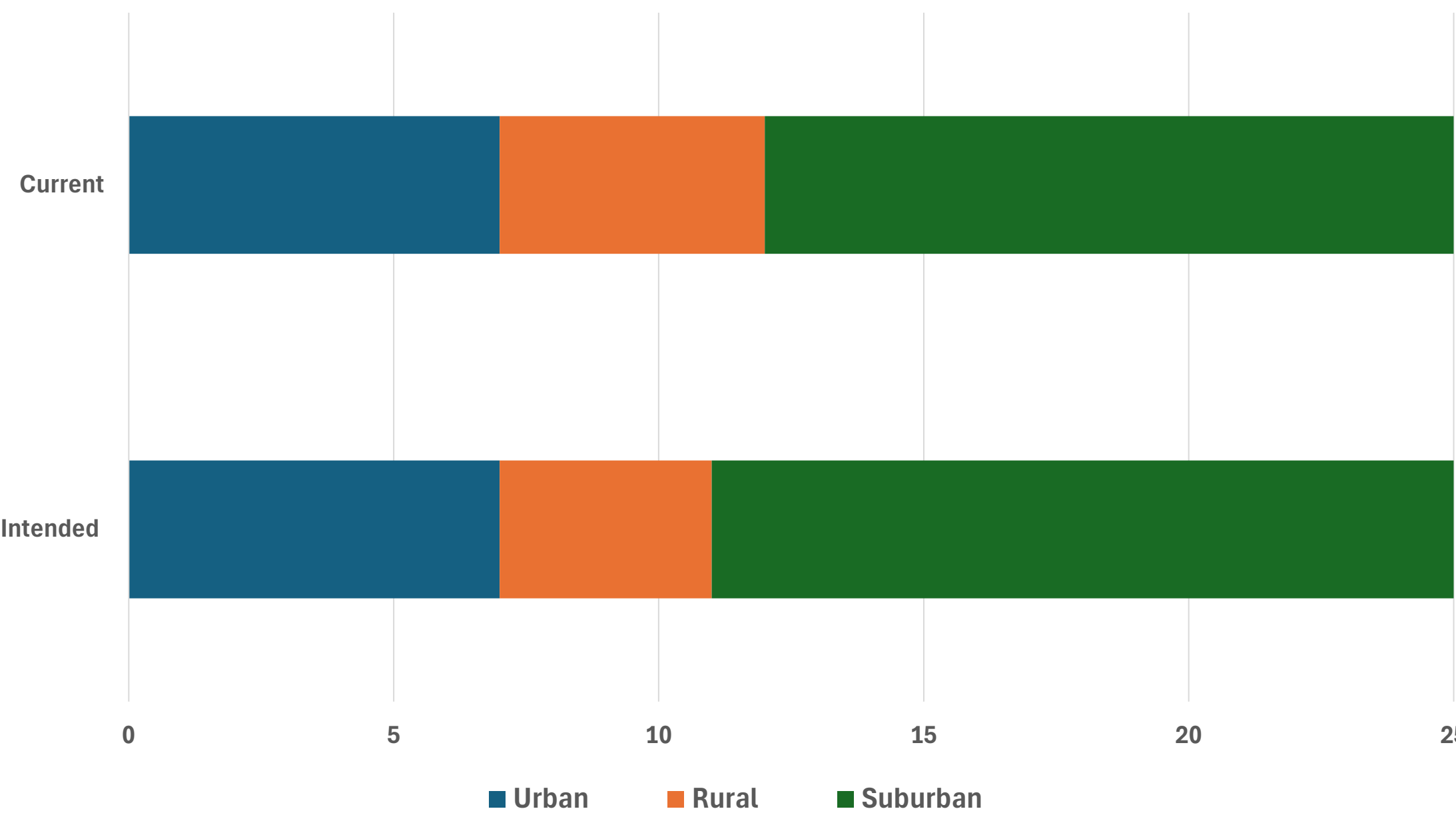


Figure 3. Current Practice Setting Compared to Desired Setting Pre-Residency



RESULTS

- There were 25 responses
- 4 were San Diego alumni and 21 were Yakima alumni
- 80% of the participants were 30-39 years old, 12% were 40-44 years old, and 8% were 45-49 years old
- 40% participants were female, 60% male
- 16% of the participants stated an intent to practice in a rural area, 56% stated an intent to work in a suburban location, and 28% intended to work in an urban location
- Currently 20% practice in a rural setting, 52% suburban, and 28% urban
- Medicaid is accepted by 100% of Yakima participants and 75% of San Diego participants
- Oral sedation is offered by 43% of the Yakima participants and 50% of the San Diego participants
- In office general anesthesia is offered by 71% of the Yakima participants and 100% of San Diego participants
- Hospital privileges are held by 81% of Yakima participants and 25% of San Diego participants
- Limitations: small sample size

CONCLUSIONS

- Where a resident intends to practice after completion of residency is a good indicator of where they do practice post residency
- There is not a significant difference in the training site location's influence on insurances accepted, age, gender, or services offered
- There was a statistically significant difference in where a resident trained and where they went on to practice with 4 of the 5 participants practicing in a rural setting having trained at the rural site

REFERENCES

1. Ignelzi M, Brickhouse T, Caffrey E, et al. Hidden Crisis: Pediatric Oral Health in Rural America. Research and Policy Center Chicago, IL. American Academy of Pediatric Dentistry 2023.
2. Wehby G, Shane D, Joshi A, et al. The Effects of Distance to Dentists and Dentist Supply on Children's Use of Dental Care. Health Services Research October 20
3. Osorio A, Alker J, Park E. Medicaid's Coverage Role in Small Towns and Rural Areas, Rural Health Policy Project August 17, 2023.
4. Walker JH, DeWitt D, Pallant JF, Cunningham CE. Rural origin plus a rural clinical school placement is a significant predictor of medical students' intentions to practice rurally: a multi-university study. Rural and remote health March 2012;12(1):109-117.
5. Alrayyes S, Garrett A, LeHew C, Compton A. Where do Pediatric Dental Residents Intend to Practice? Exploring the influence of Loan Repayment Programs and Other Factors. Journal of Dental Education May 2019;83(5):497-503
6. Heidenreich J, Kim A, Scott J, Chi D. Pediatric dentist density and preventive care utilization for Medicaid children. Pediatric dentistry 2015;37(4):371-375.