

The Resounding Effect of COVID-19 on Dental Care Utilization, Payer Type, and Prophylaxis Code Frequency

Richard Van Gulp, Mark Moss, Qiang Wu, Mahmoud Al-Dajani
East Carolina University, Greenville, North Carolina, United States

The Why

- ❖ The initial diagnosis of COVID-19 emerged within the United States on January 20th, 2020
- ❖ Despite the installation of the SARS-CoV-2 Vaccine in early December of 2020, repercussions of the pandemic still continue to linger
- ❖ Disparities within the realm of dental medicine have persistently impacted the issue of access to care amongst underserved populations
- ❖ Since COVID-19, these disparities have only increased, thus displaying the need for investigation as to what barriers pose the biggest impact to this overarching dilemma

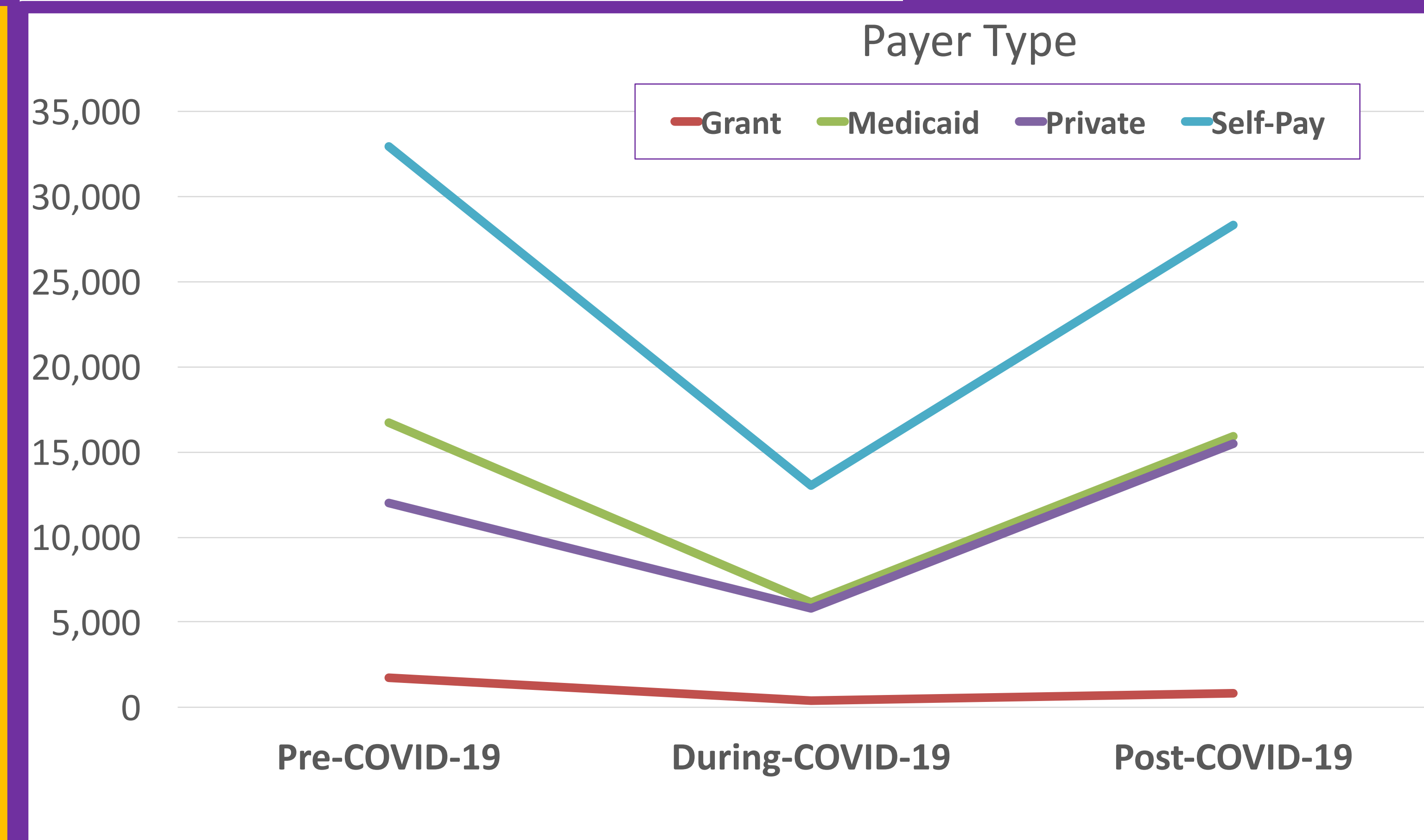
The Goal

- ❖ To demonstrate the pre, during, and post COVID-19 patterns of Dental Service Utilization, Payer Type and Prophylaxis Code Frequency among the underserved populations of North Carolina.

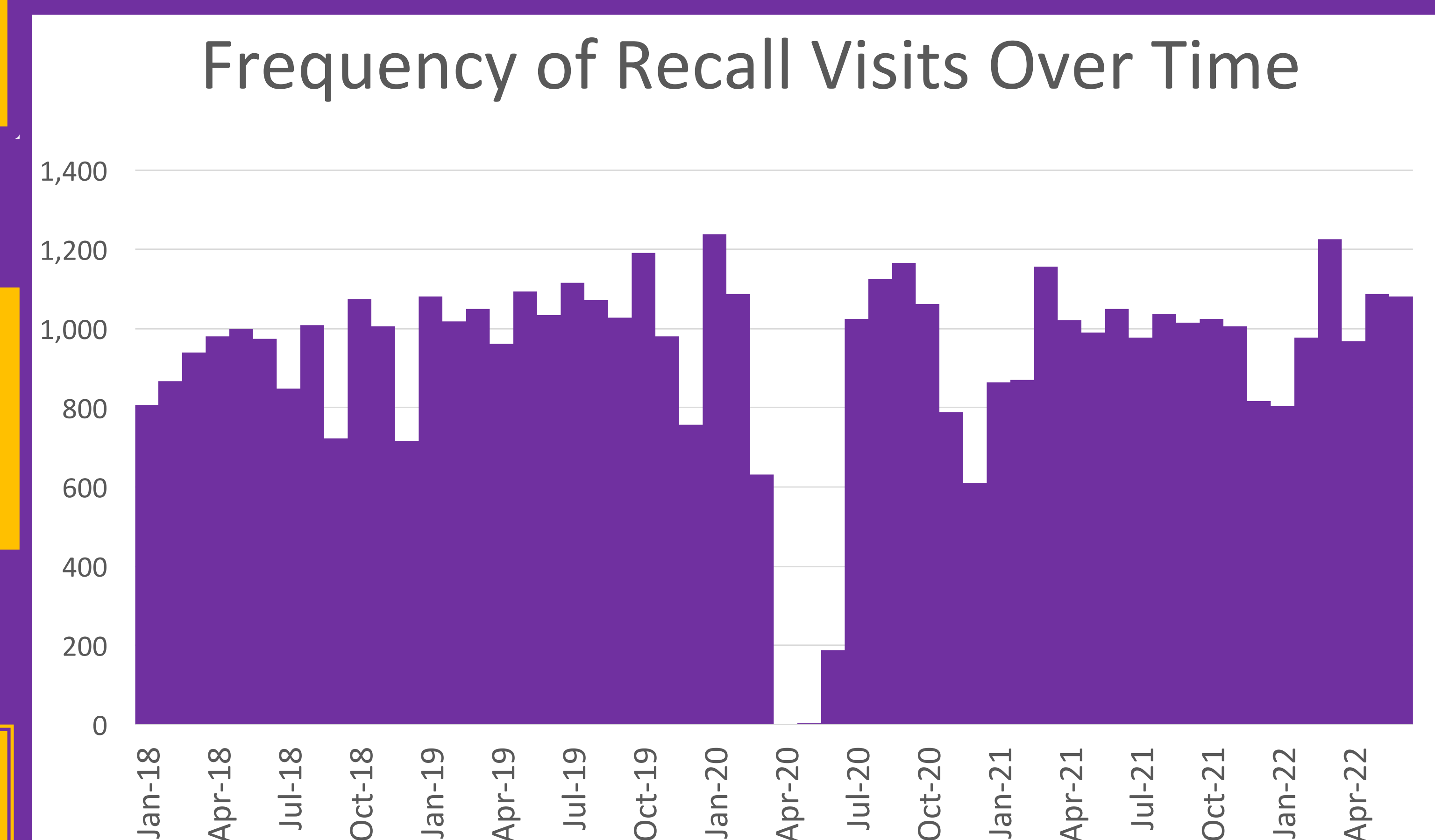
The How

- ❖ Data retrieved from AxiUm Clinical Database
- ❖ Dissected Using IBM SPSS Statistics
- ❖ Dental Utilization investigated using procedural level characteristics
- ❖ Retrospective Descriptive Epidemiologic study design was utilized

The Findings



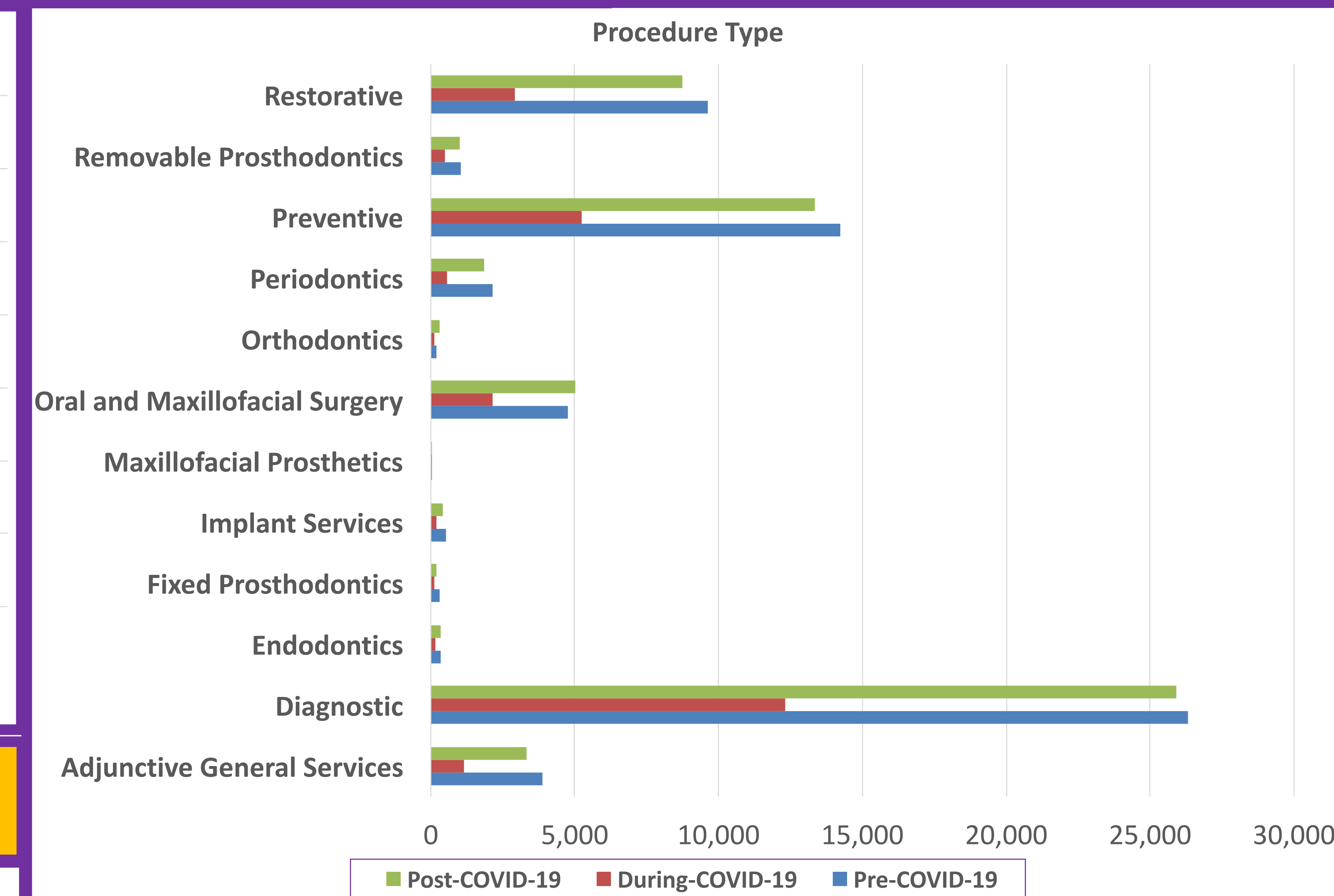
**Payer Type across three periods:
April to August of 2019, 2020, and 2021**



**Prophylaxis Code Frequency across three periods:
April to August of 2019, 2020, and 2021**

Acknowledgments

We would like to thank the ECU School of Dental Medicine for granting us the ability to investigate such a hard pressing issue. We would also like to thank Mr. Gerard Camargo for his work in retrieving the data.



**Procedure Type across three periods:
April to August of 2019, 2020, and 2021**

The Conclusion

As a result of COVID-19, it can be observed that dental utilization as a whole was greatly affected and is still showing signs of gradual rebound as the pandemic continues to evolve in its midst.

Want to Learn More?

