

NAPCRG 52nd Annual Meeting — Abstracts of Completed Research 2024.

**Submission Id:** 6969

**Title**

*Exploring Influences on Specialty Aspirations*

**Priority 1 (Research Category)**

Education and training

**Presenters**

Zureyat Sola-Odeseye, Luke Coffman, BS, Chance Strenth, PhD, Nora Gimpel, MD

**Abstract**

Context

The number of physicians in primary care is declining, with fewer medical students pursuing the field. Lower financial compensation in primary care is often cited as a reason, but the impact of socioeconomic status and environmental factors during upbringing on specialty choices has not been thoroughly explored.

Objective

To determine whether an association exists between socioeconomic factors and the intended specialties of medical students at the start of their medical education, specifically focusing on the associated average salaries of these specialties.

Study Design

This IRB-approved cross-sectional study utilizes survey data from four classes of medical students attending a medical school in Dallas, TX at the beginning of their education. Specialties were categorized as low (<\$300,000/year), medium (\$300,000-\$450,000), and high (>\$450,000) paying based on the 2022 AMGA Compensation report.

Dataset

The dataset includes survey responses from 284 medical students, with a 29.5% response rate from 962 students surveyed.

Population Studied

Medical students at a single institution at the beginning of their education.

## Instrument

Data were collected via a survey assessing the average annual parental income, highest level of education attained by either parent, and predominant area of upbringing (e.g. rural, urban). The survey also inquired about students' intended specialty choices and prior experience with health disparities.

## Outcome Measures

The outcome analyzed is the income level associated with the intended specialty choices.

## Results

A significant Kendall's tau correlation was found between the area students grew up in and the average income associated with their desired specialty ( $\tau_b = -0.133$ ,  $p = 0.026$ ), suggesting that students from smaller areas tend to aspire to higher-paying specialties. No significant associations were found between health disparity experiences, parental education level, parental income, and the salary associated with the intended medical specialty.

## Conclusion

Geographical background influences specialty choices among medical students, with those from smaller areas tending to aim for higher-paying specialties. No significant relationships were found between intended specialty salaries and parental education, parental income, or health disparity experiences. Future research should explore the association between geographical background and specialty aspiration.

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