

## INTRODUCTION

- Increased representation among healthcare professions is needed to provide the best care to patients.
- Healthcare professionals from underrepresented backgrounds are more likely to work in underserved communities, and that it is vital to maintain their early interest in science<sup>1</sup>
- Future Medical Education and Development Introductory Course (MEDIC)** is a medical-student-led school program providing interprofessional education for students.

## METHODS

- 26 8<sup>th</sup> grade students participated over five weekly sessions
- Mann Whitney's U tests and Wilcoxon Rank Sum tests were used to compare paired and unpaired data, respectively



Figure 1. Flowchart of weekly lessons. Presurvey was administered Week 2, and postsurvey was administered Week 5.

## RESULTS

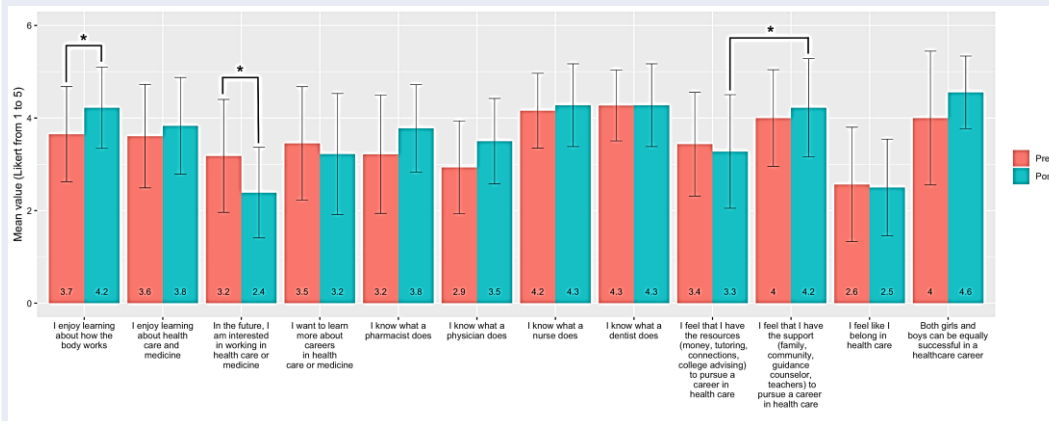


Figure 2. The results of 12 questions asked on pre- and post-surveys. The questions were asked on a 5 point Likert scale (Strongly Disagree to Strongly Agree).

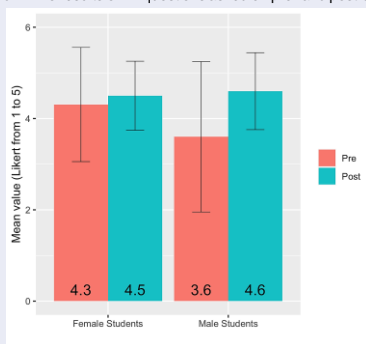


Figure 3. The results of a question on gender equity in healthcare asked on pre- and post-surveys. Students responded on a Likert scale to "Both girls and boys can be equally successful in a healthcare career."

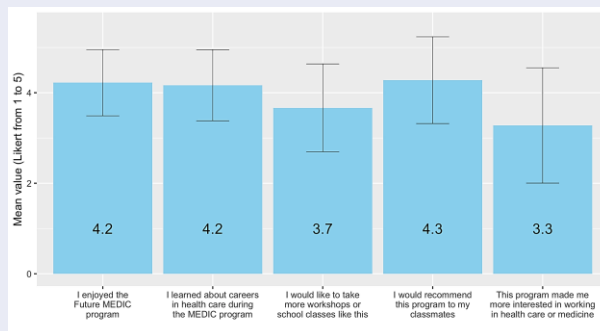


Figure 4. The results of 5 questions asked on post-surveys only.

## Student Quotes

"The reflex station was my favorite. I could test reflexes all day!"

"Teeth are the coolest. I want to be a dentist."

## Future Topics Students Would like to Learn About

- Prescriptions
- Women's Health
  - Surgery
  - CPR
- Sports Medicine

## CONCLUSIONS

Hands-on activities were the most fun and engaging for students

Although students enjoyed the program overall, this did not correlate with an interest in pursuing a healthcare career

- Future directions:
  - Feature careers that are more diverse in field and schooling length
  - Limit the amount of didactics in favor of small group activities
  - Consider transitioning MEDIC to after-school or opt-in format for interested students

## ACKNOWLEDGEMENTS

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## REFERENCES

- Weiner S. (2018). Pre-Premed: Pipeline Efforts steer elementary school students into medicine. AAMC. <https://www.aamc.org/news-insights/pre-premed-pipeline-efforts-steer-elementary-school-students-medicine>.