

ROLLING BONES MOBILE HEALTHCARE TRAINING PROGRAM LAUNCHED IN HIGH SCHOOLS TO EDUCATE AND DRIVE INTEREST IN SCIENCE AND HEALTHCARE FIELDS



JaNae Joyner, PhD, MHA, Center for Experiential and Applied Learning (CEAL), Wake Forest School of Medicine
Coauthors Tom Perrault, PhD; Chris York; Ken Long; Dorothy Parnian, MS; Maria Crawford

PROBLEM/NEEDS ASSESSMENT

Addressing future healthcare needs

- Healthcare workforce shortage continues to worsen with a projected 20,000 deficit of primary care physicians by 2025
- Demand for healthcare professionals has created career opportunities focused on the importance of Science, Technology, Engineering, and Math (STEM) training



PROGRAM OBJECTIVES

As a STEM pipeline initiative

- Emphasize the importance of STEM training to drive healthcare and health science career interests
- Encourage healthy lifestyle choices



Photos by Allison Lee Isley, Nov 18, 2019, Winston-Salem Journal

PROGRAM DESCRIPTION

Students from 13 high schools gained hands-on experience

- Examining human hearts, lungs, and brains
- Learning cardiopulmonary resuscitation
- Correlating the dangers associated with behaviors related to smoking, vaping, and diet
- Seeing various STEM/healthcare professionals in action
- Discussing career opportunities related to healthcare/health sciences



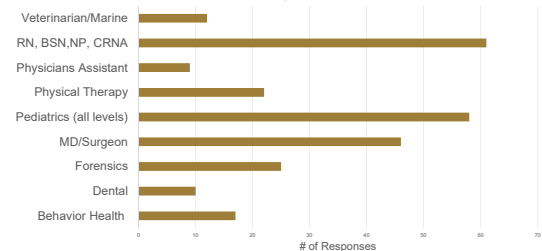
KEY FINDINGS

When surveyed

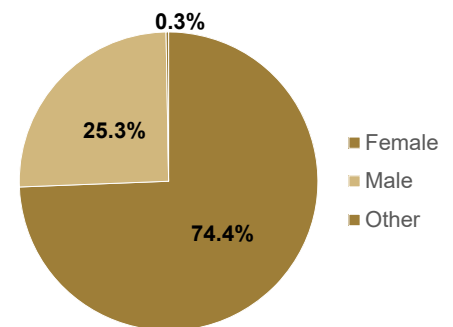
- Females had a statistically significantly higher likelihood of pursuing a career in healthcare compared to their male counterparts (female = $3.32 + 0.99$; male = $2.38 + 1.04$; $p < 0.05$)
- Females also had a statistically significant likelihood of pursuing a career in health science, medical science or medical research over their male counterparts (female = $3.33 + 0.88$; male = $2.52 + 0.99$; $p < 0.05$)
- There was no statistical difference among ethnic groups for any of the survey questions asked
- There was no statistical difference between genders related to use of tobacco/vaping or steps toward living a heart-healthy lifestyle

CAREER INTEREST

If you're thinking about a career in Healthcare or Health Sciences, in what area?



GENDER



AFTER THIS EXPERIENCE, HOW LIKELY ARE YOU TO...

