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Maxwell Lamb

*Bill Gatton College of Pharmacy, East Tennessee State University*

Sean Vinh

*Bill Gatton College of Pharmacy, East Tennessee State University*

Chandler Parris

*Bill Gatton College of Pharmacy, East Tennessee State University*

Emily K. Flores

*Bill Gatton College of Pharmacy, East Tennessee State University*

KariLynn Dowling-McClay

*Bill Gatton College of Pharmacy, East Tennessee State University*

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# Impact on Student Attitudes through Participation in Interprofessional Student Teams at a Remote Area Medical Event in Rural Appalachia

Maxwell Lamb<sup>1</sup>, Sean Vinh, BS<sup>1</sup>, Chandler Parris, BS<sup>1</sup>, Emily K. Flores, PharmD., BCPS<sup>1</sup>, KariLynn Dowling-McClay PharmD., MPH, BCACP<sup>1</sup>

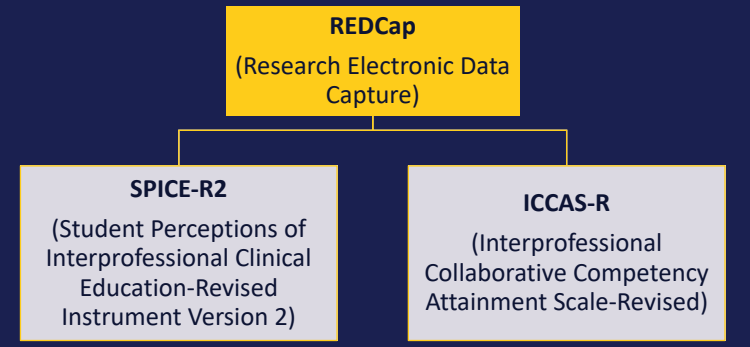
<sup>1</sup>Department of Pharmacy Practice, Bill Gatton College of Pharmacy, East Tennessee State University, Johnson City, TN

## Introduction

- Remote Area Medical® (RAM) is a non-profit healthcare organization that provides free dental, medical, and vision services to individuals in underserved areas of the United States, including rural Appalachia; they are also willing to partner to provide learning opportunities for interprofessional student volunteers
- Interprofessional teams consisted of undergraduate and graduate students with backgrounds in medicine, nursing, pharmacy, public health, and others
- This research hypothesized that working in interprofessional teams at a RAM event in rural Appalachia would have a positive impact on student attitudes toward interprofessional practice

## Methods

- Demographic questions, two validated surveys, and open-ended questions were administered for student volunteers to complete before and after their participation in interprofessional student teams at the RAM event



- Quantitative data was analyzed through Statistical Package for the Social Sciences (SPSS) software version 25, and primary descriptive qualitative data was analyzed through deductive coding

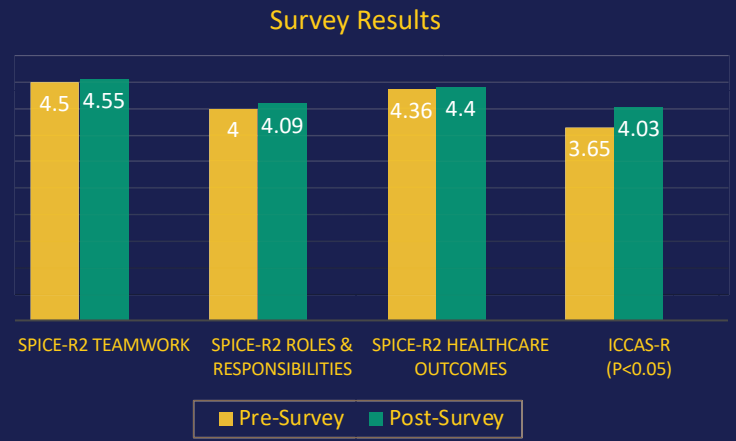
A rural, **interprofessional** service event demonstrated a **positive impact** on healthcare students' self assessment of their interprofessional skills.

Take a picture to view SPICE-R2 & ICCAS-R surveys and interprofessional team demographics



## Results

- Of the 108 student responders, 104 responses were available for ICCAS-R2 and 70 pre-survey/post-survey paired responses were available for SPICE-R2 analysis
- No statistically significant changes were found in the three factors of the SPICE-R2 survey
- The ICCAS-R results showed a statistically significant change; the mean overall composite score increased from 3.65 out of 5 on the pre-event section to 4.03 out of 5 on the post-event section



- Qualitative themes found in the open-ended question portion of the survey included: communication & collaboration, passion, teamwork, and pride in care provided

## Conclusion

- SPICE-R2 results: No significant change in perception towards interprofessional collaboration
- ICCAS-R results: Students expressed an improved sense of interprofessional competency
- The lack of statistically significant change in the SPICE-R2 survey could be attributed to students already receiving an abundance of classroom experiences in IPE
- Evident by number of mismatched pre and post SPICE-R2 survey responses, unique code creation was confusing and needs to be changed in the future

## Acknowledgements

Presenters would like to acknowledge Project Access, the Gray, Tennessee RAM Planning Committee, and the RAM Coordinators in their work to make this event possible, as well as Dr. Trena Paulus (Family Medicine) and Dr. Rick Wallace (Medical Library), who contributed significantly to execution of this research and learning experience