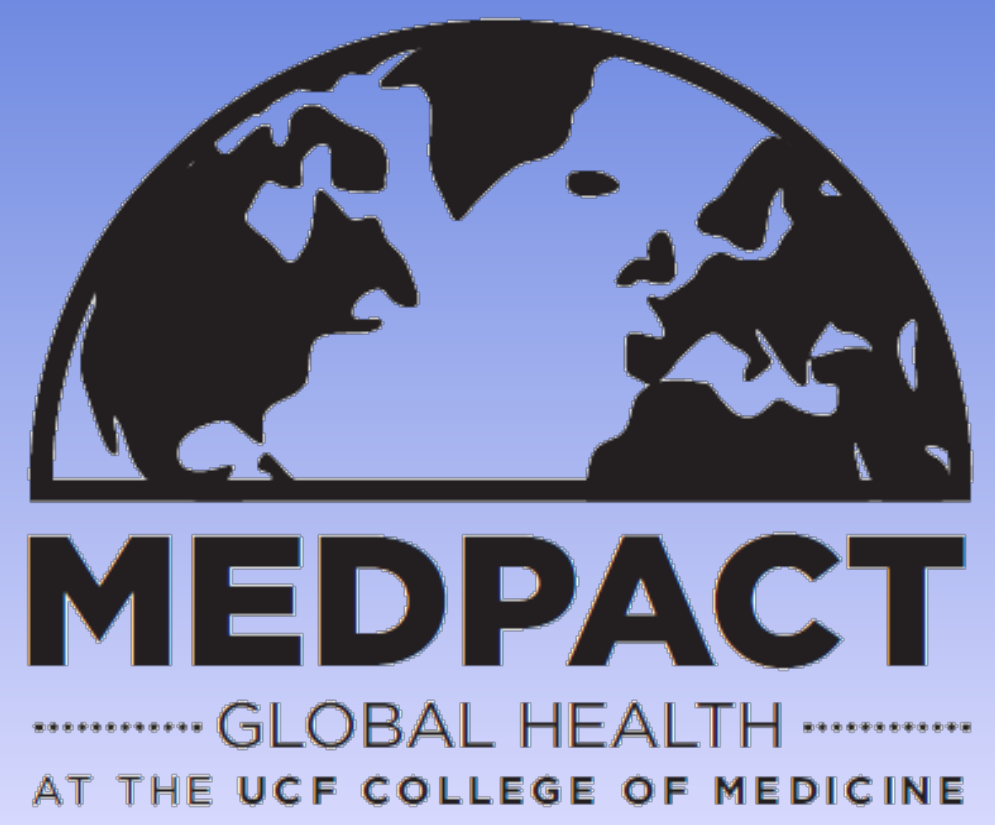




Advancing Global Health Education and Service through Utilizing Simulations and Workshops

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Introduction

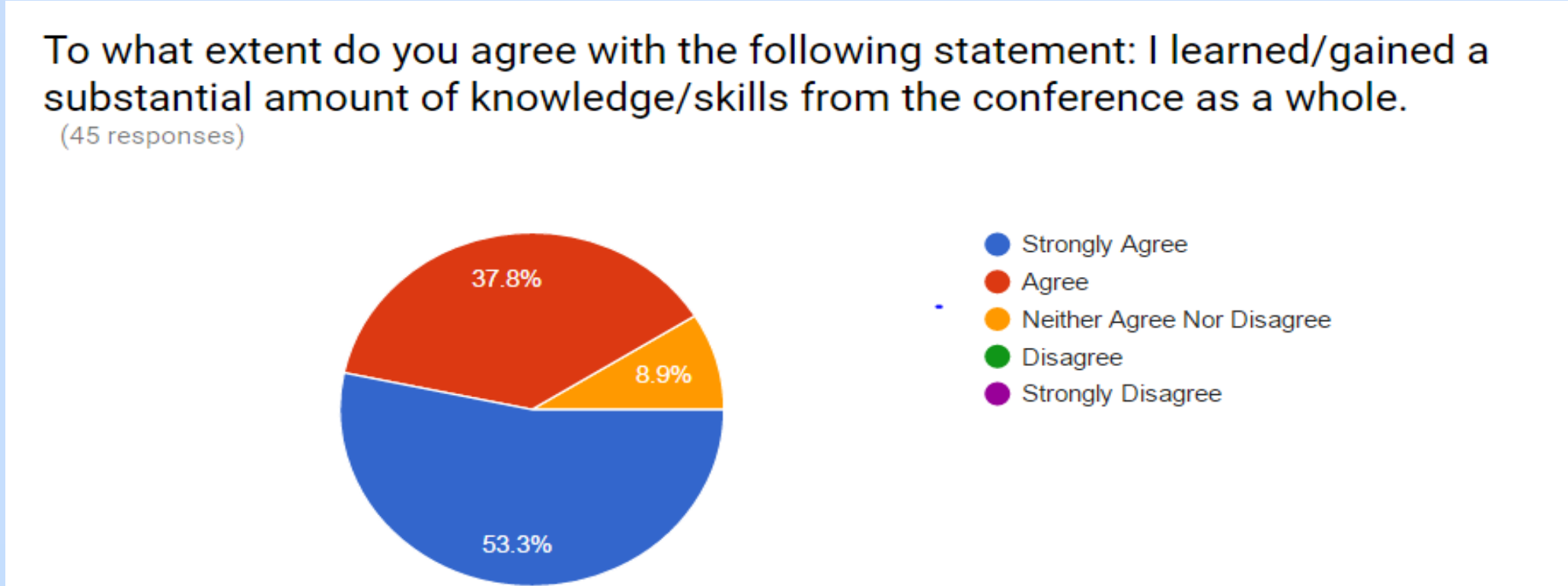
- Medical Students Providing Across Continents (MedPACT) is a student-run global health organization established at the University of Central Florida College of Medicine.
- Our association is committed to providing education for future medical professionals to become actively engaged and prepared to address the needs of underserved communities, both locally and abroad.
- With these goals, MedPACT has developed an annual Global Health Conference (GHC) in addition to organizing international and local service-learning opportunities, in the Dominican Republic and Apopka, FL, with the interprofessional student community.

Global Health Conference

Goals	Conference Topics	Conference Agenda
<ul style="list-style-type: none"> • Interprofessional integration and collaboration • Diversity of viewpoints • Global health education for medical community • Awareness of health disparities and disease management of underserved populations • Student-run • Engaging and interactive 	<ul style="list-style-type: none"> • Sustainability • Emergency and Disaster Medicine • Refugee Health • Maternal and Child Health • Neglected Tropical Diseases • Climate Change 	<ul style="list-style-type: none"> • Keynote speaker • Panel discussion • Advocacy session • Research symposium • Afternoon workshops and simulations • Research awards

Commitment to Global Health Education

- Global health education does not commonly form a fundamental component of medical education although many medical curricular themes relate to global health principles.
- The GHC seeks to address this global health knowledge gap in medical education by incorporating relevant curricular objectives into a conference that prepares future medical professionals for global health-related experiences.
- Interactive sessions have historically been based on global health principles including disease management of indigent populations, cultural humility, interdisciplinary collaboration, ethics, and sociocultural issues.



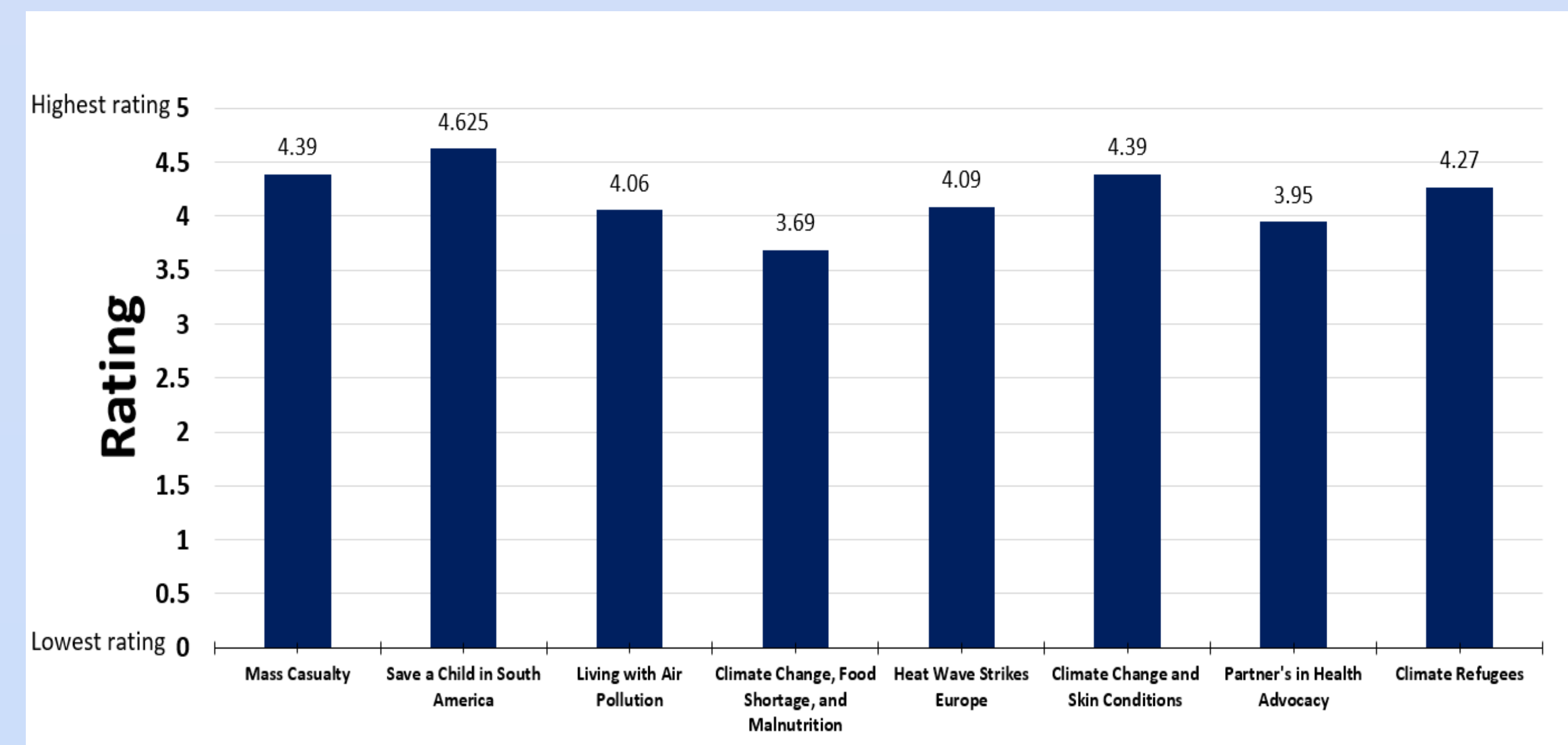
Simulations and Workshops

Every MedPACT conference incorporates interactive simulations and workshops as an educational means to advance the objectives of the conference topic for that year.

Previous Simulations:

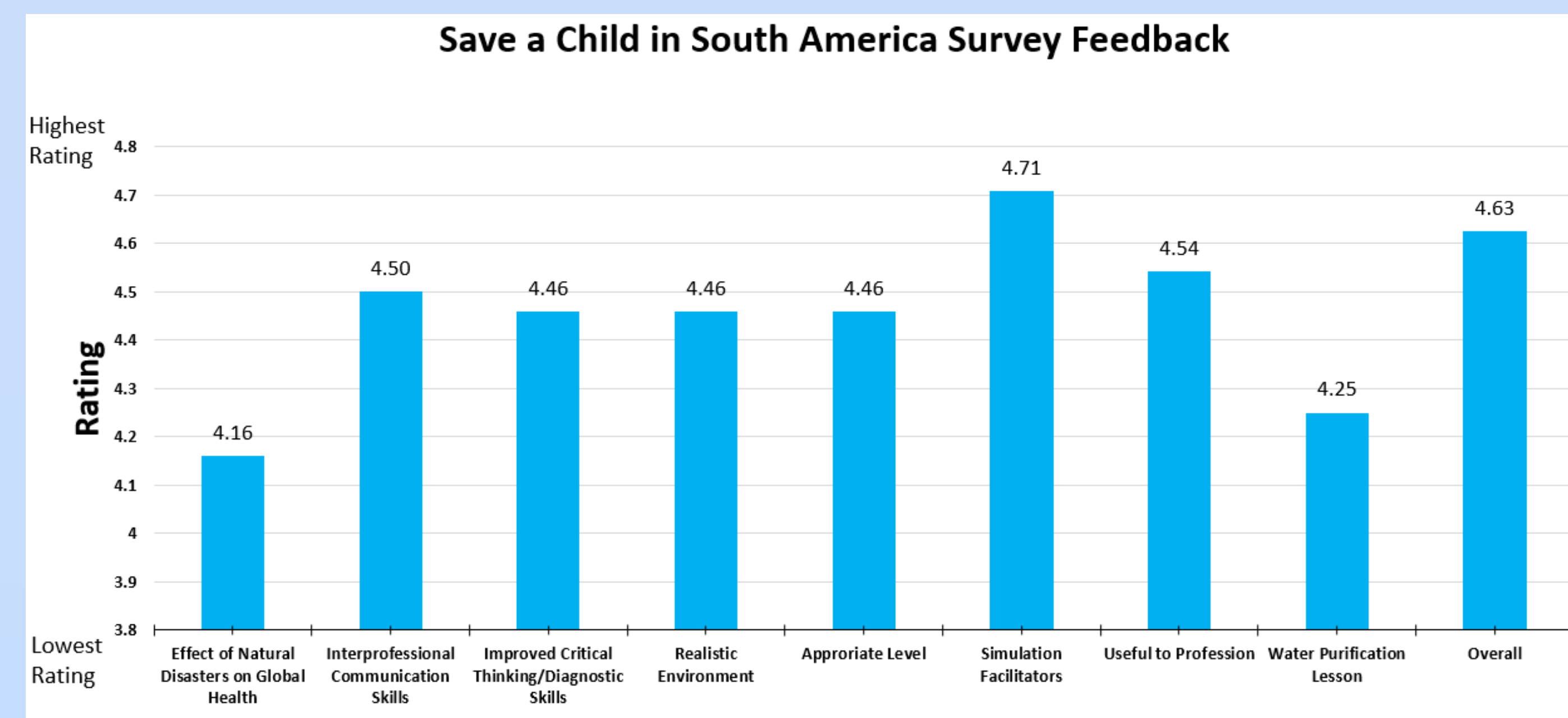
- Mission hospital and emergency response triage tent for refugees
- Assessing nutrition in children and PTSD patient encounters
- Managing post-partum hemorrhage and cholera outbreak
- Human trafficking and providing safe abortions in resource poor countries
- Treating neglected tropical diseases illustrated with moulage
- Mass casualty simulation
- Effect of climate change on skin diseases with biopsies and suturing of skin lesions

2017 GHC Overall Simulation Ratings



Interactive Approach to Skill Development

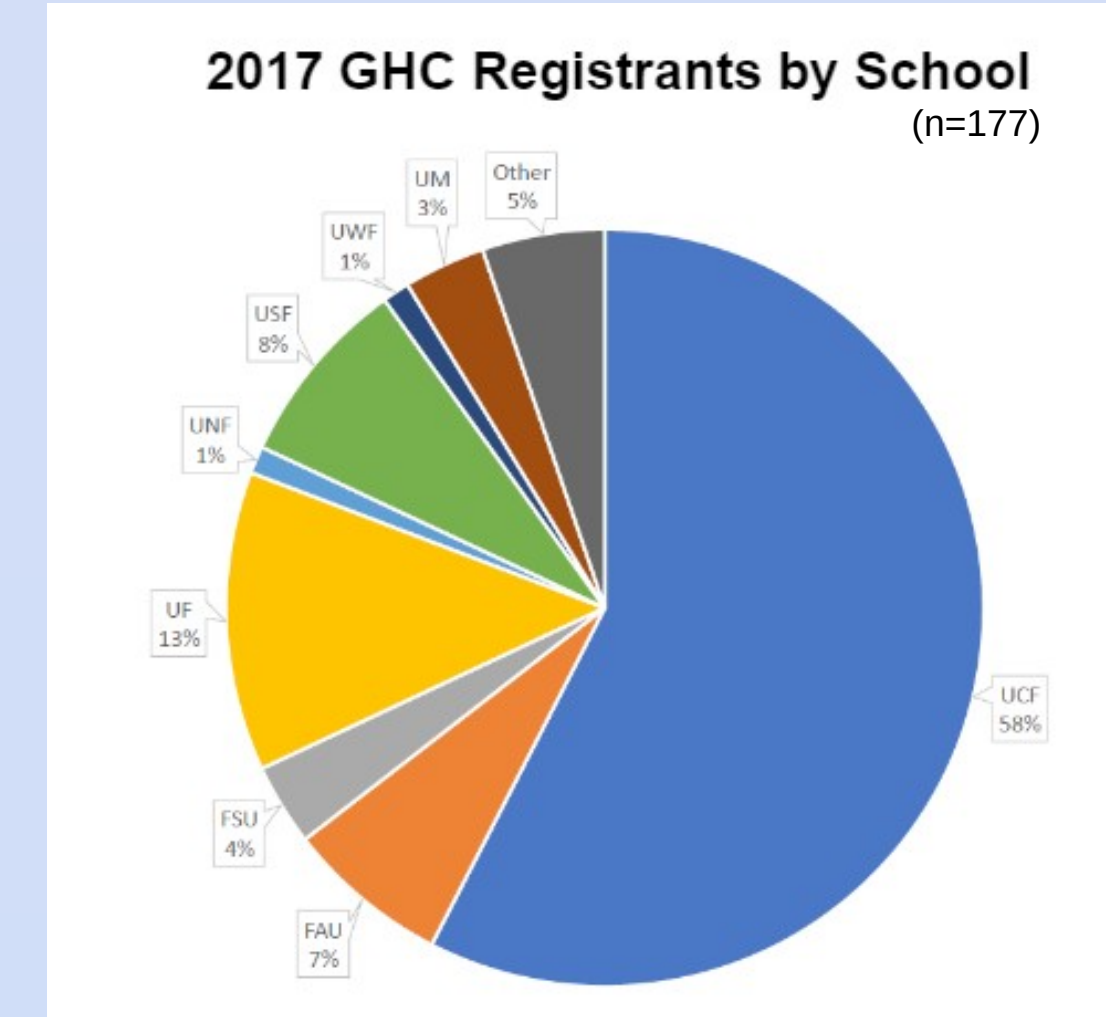
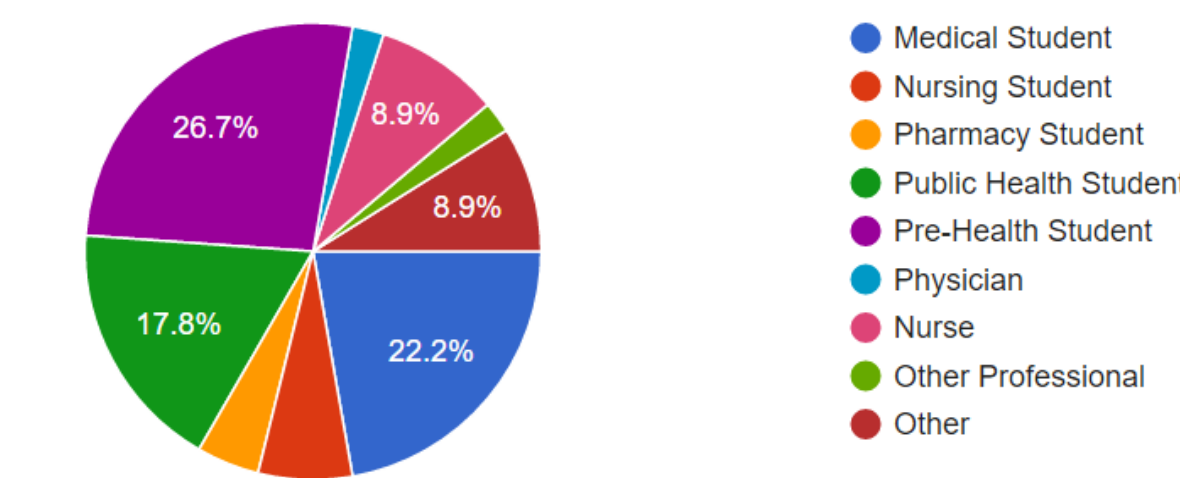
The simulations allow interdisciplinary students to work together to solve problems and develop applicable skills to use in the clinical field of culturally diverse regions.



Interprofessional Collaboration

- The GHC facilitated integrated learning for 151 registrants in 2016 and 214 in 2017 from universities across Florida and the nation.
- Students across disciplines of medicine, nursing, pharmacy, and public health spend the day working together and discussing topics.
- Most registrants represented the many universities throughout Florida and the out-of-state registrants for the 2017 conference represented universities from Kentucky, Ohio, Illinois, and Colombia.

Which of the following is most applicable to you? (45 responses)



Improvements

The GHC 2017 incorporated advocacy workshops into the educational experience allowing students to practice developing advocacy plans for policy affecting local and international populations.

Impact on Service Learning Experiences

- Students gain relevant skills and experiences to carry forward into their medical service in underserved regions.
- Many of the local conference attendees volunteer at the MedPACT Apopka Clinic, which serves farmworkers in Central Florida and shares many clinical parallels to underserved global regions.
- 59 (of total 334) registrants from 2016 and 2017 conferences also volunteered at MedPACT's student-run free clinics in Apopka, FL.

Conclusion

- The GHC prepares the domestic medical community to have the skillset and knowledge base to address the clinical, cultural, and ethical nuances of working with underserved or at-risk populations on a local and international scale through engaging simulations and workshops.
- These simulations can easily be adapted for use in health professional education making them relevant for training in a wide variety of settings and to expand education and interest on global health issues.
- We aim to continue providing pertinent educational themes at the conference for future application in underserved local and global communities, such as during MedPACT's future service learning experiences in Apopka, FL and Peru.

Acknowledgements

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