

# PEDIATRIC ACUTE CARE TRAINING CURRICULUM FOR RESOURCE-LIMITED SETTINGS: RESULTS OF AN ONLINE SURVEY



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## Objective

- Determine the need for pediatric acute care training in resource-limited settings
- Design a relevant curriculum placing emphasis on highly valued course topics
- Identify and engage worldwide healthcare professionals with an interest in teaching Pediatric Emergency and Critical Care medicine in Kenya

## Background

- Pediatric acute care training (emergency and critical care medicine) in Sub-Saharan Africa is limited, though the burden of critical illness is significant
- Pediatric Emergency and Critical Care (PECC)-Kenya is a collaboration between University of Washington and University of Nairobi developed to improve management and outcomes of critically ill children in Kenya and the East African region through clinical training in pediatric emergency and critical care medicine

## Methods

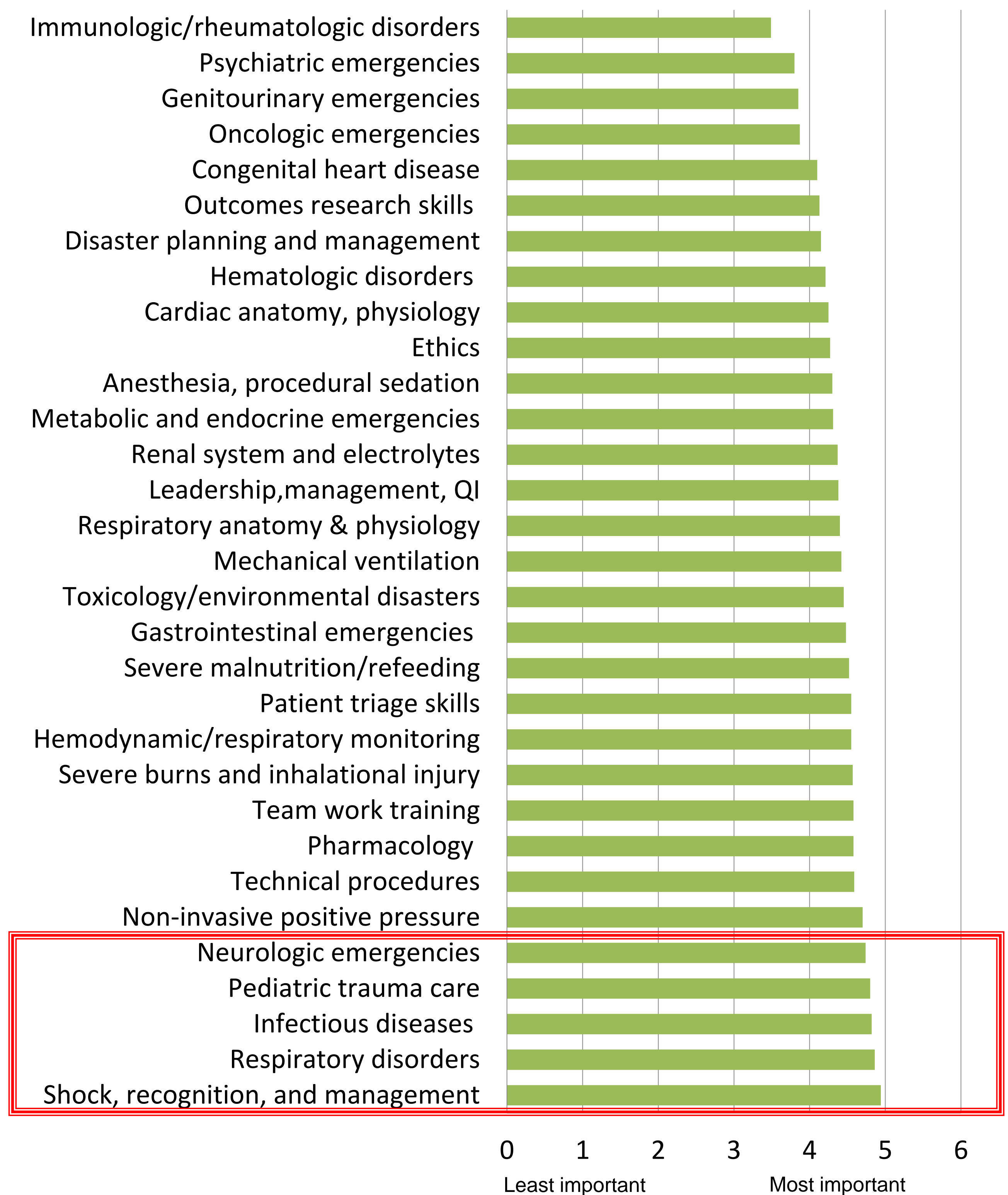
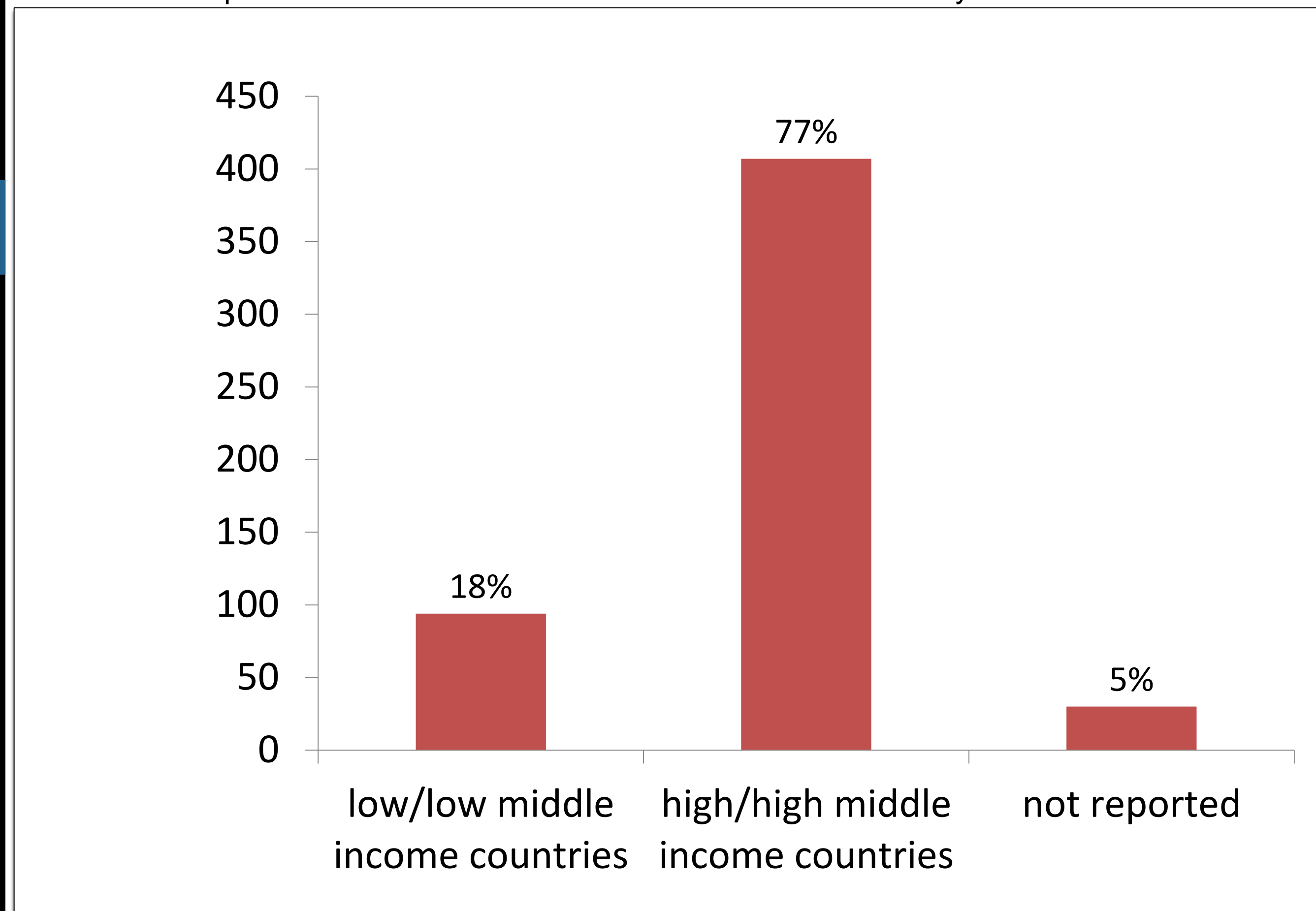
- A voluntary, anonymous online survey containing 15 questions was emailed to members of the World Federation of Pediatric Intensive & Critical Care Society (WFPICCS)
- The survey was also accessible on the WFPICCS website and the Pediatric Critical Care Medicine (PCCM) website
- Exempt IRB approval was obtained
- Results were evaluated with descriptive statistics

## Results

- We received 531 surveys from 75 different countries from March 2014–March 2015
- Responders:
  - worked in university/academic settings (68%), public (28%) and private (17%) hospitals
  - were critical care physicians (57%), pediatricians (17%), nurses (13%), other (7%), emergency physicians (3%), and trainees (2%).
  - 489/531 (92%) indicated that development of a Pediatric Emergency and Critical Care curriculum would impact patient care in a positive way
  - 425/531 (80%) indicated willingness to teach a 1-month course in pediatric emergency and critical care at a resource-limited training site

**59% (55/94) of responders from low/low middle income countries reported NO pediatric acute care (ED/ICU) training program**

Number of responses from income-stratified countries as defined by World Bank Atlas Method



## Conclusion

- This survey demonstrates a need for the development of pediatric acute care training in resource-limited settings
- A relevant curriculum should focus on: shock recognition/management, respiratory disorders/management, infectious diseases, trauma, and neurologic emergencies
- Over 400 healthcare professionals have expressed interest in curriculum implementation

## Future Directions

- Interested? Please visit our website for more information: [www.deptsofwashington.edu/pecc](http://www.deptsofwashington.edu/pecc)
- Questions? Comments? Please feel free to contact us at: [shelina.jamal@seattlechildrens.org](mailto:shelina.jamal@seattlechildrens.org)