

The logo features a large, bold, blue letter 'W' with a white outline, set against a white background.The logo is a green letter 'H' with a white outline and a green and white zigzag pattern inside, set against a white background.The logo consists of a blue letter 'M' with a yellow outline, a yellow banner across the middle containing the word 'MICHIGAN' in blue, and another blue letter 'M' below it, all on a white background.The logo is a stylized, blocky letter 'M' in maroon, set against a yellow square background.

Building Research and Leadership Capacity through Emergency Care in Ghana

Presented by:

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The problem

- Injuries in developing countries cause more than five million deaths each year.
- At least 90% of road traffic injury-related deaths occur in low- and middle-income countries (LMICs)
- The highest road traffic injury death rates in the African region.
- Road traffic injuries accounted for 1.24 million deaths in 2015 and ranked as the tenth leading cause of death.
- In disability-adjusted life years, road traffic accidents were the tenth leading contributor worldwide and are increasing over time.
- Enormous problem not amenable to simple solutions?
- How to even start to look at the problem?

Formed a partnership with Ghana to create a cadre of specialty trained acute and emergency care providers.

Kwame Nkrumah University for Science and Technology/Ministry of Health/ Komfo Anokye Teaching Hospital/ Ghana College of Physicians and Surgeons/ Ghana National Ambulance Service
University of Michigan/

Funding from the Medical Education Partnership Initiative (MEPI)

Creation of training programs for Physicians, nurses, EMT's and exposure to EM for medical students.

Step One



Step Two



Once a department was setup and operational, there was the problem of documenting/understanding what was being seen.

“Learning the language of clinical research.”

Fogarty-Funded Research Fellowship Project:

“Evaluating the emergency care for the acutely injured patient in Kumasi, Ghana”

Primary Mentors: Ronald Maio & Peter Donkor

Clinicians trained in a culture of clinical research are more apt to continue.

Accurately capturing information will lead to quality improvement, patient outcomes tracking and functional evaluations.

As trained faculty disperse around the country, they take with them an electronic database and research culture.



Step Three

Next Steps

1. Directed interventional studies
2. Continued expansion of training sites
3. Policy recommendations based on research findings
4. Using program graduates to be faculty for a new Emergency Medicine program in Addis Ababa, Ethiopia
5. Graduated 29 Specialists/Attendings (8 more eligible in September)
6. Graduated over 200 nurses who now provide care in 9 out of the 10 regions in Ghana.

Thank you

