

Role of Global Health in your Department: Program Director Perspective



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VANDERBILT HEALTH

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- No disclosures or industry sponsorship that influences this presentation

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Learning Objectives:

- Defining the structure of Vanderbilt International Anesthesia and programs
- Incorporation of global health initiatives and education into residency curriculum
- Establishment of committed leadership development tracks in the global health space during residency

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Why is this essential and should be an integral part of your residency curriculum?




- 5 billion people without access to safe surgical and anesthetic care
- 143 Million annual unmet surgical needs
- In 2010 16.9 Million lives lost from conditions requiring surgical intervention

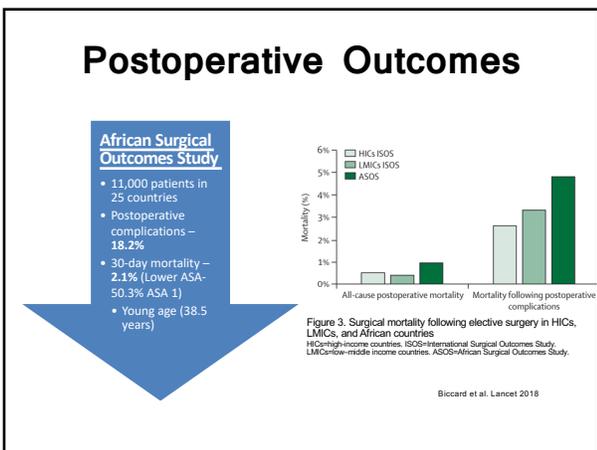
Lancet Commission on Global Surgery 2015, Lancet

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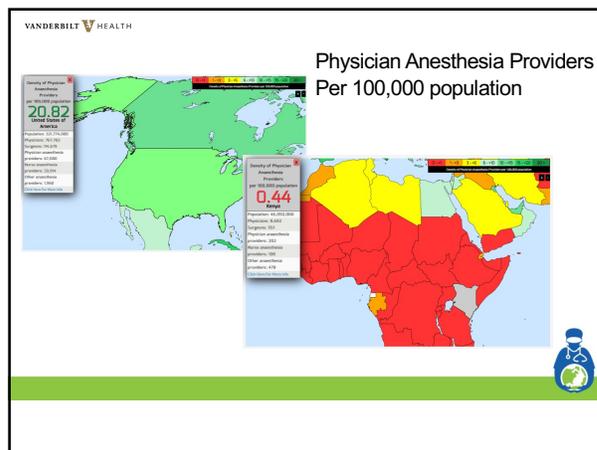


- 55% Regional Hospitals in 8 African countries have no anesthesia machine
- >70% ORs SSA have no pulse oximeter
- In 28 District Hospitals in Zambia, 35% did not have a laryngoscope.
- Nigeria 60% District Hospitals and 75% Regional Hospitals have no equipment to maintain a pediatric airway

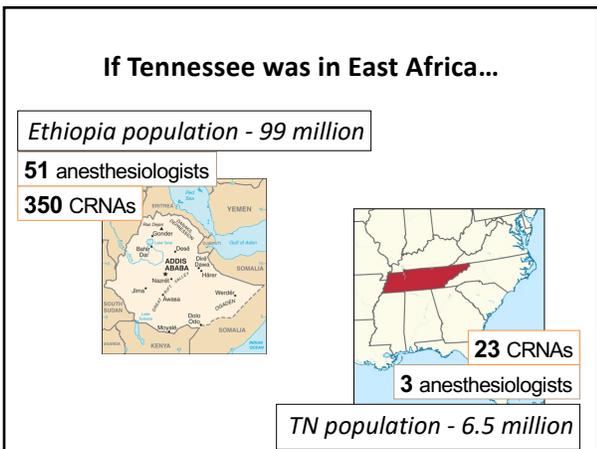
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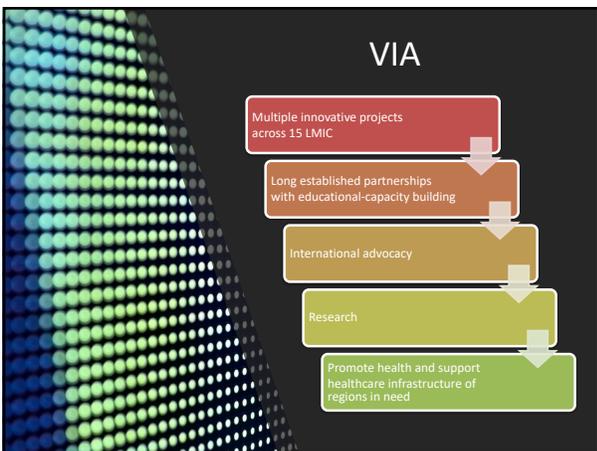
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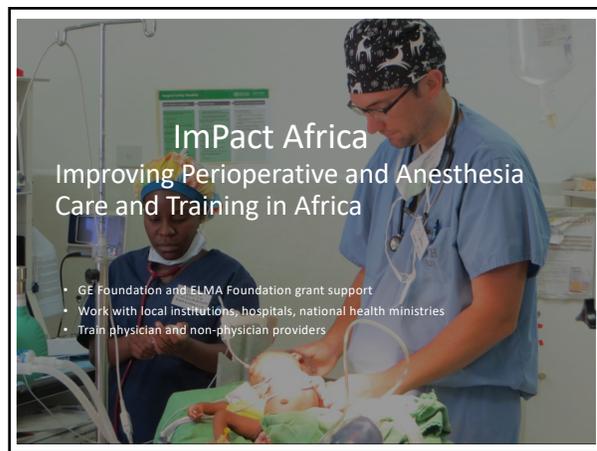
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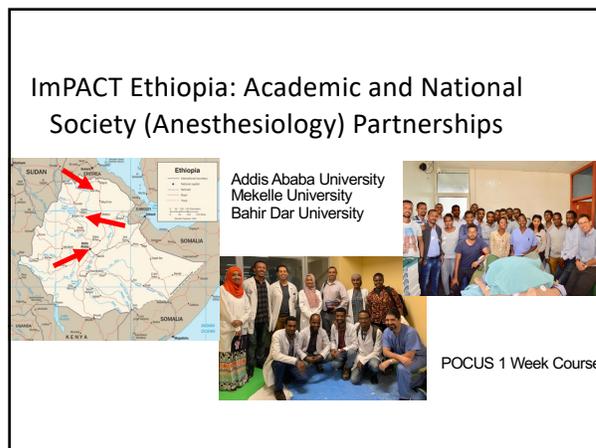
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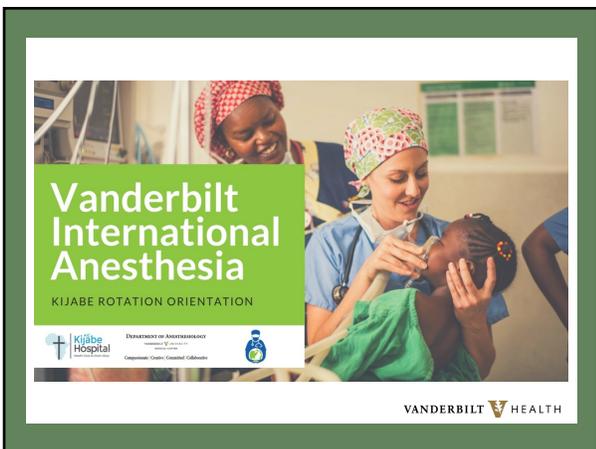
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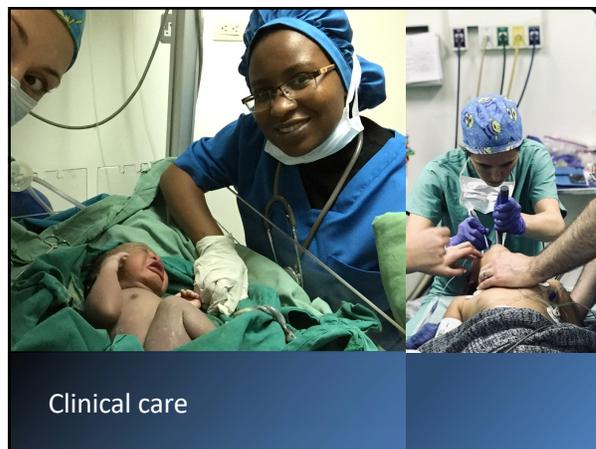
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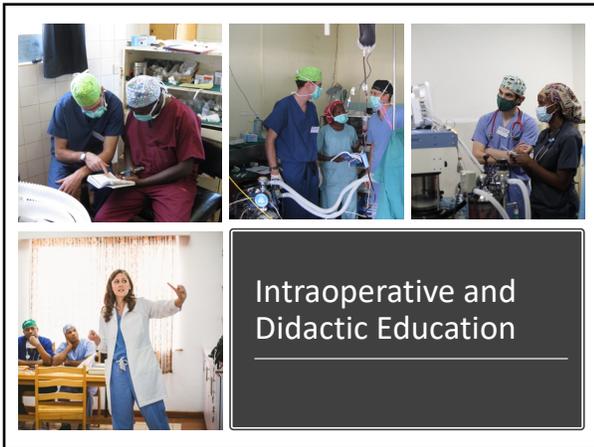
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VANDERBILT HEALTH

Mobile Obstetric Simulation Training (MOST)

Multidisciplinary teams | High-fidelity simulation training
On-site (including rural hospitals) | Local leadership and mentorship

Team Training

ImPACT AFRICA
Advancing Obstetrics Care & Training

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- Quality Assessment: Program and Trainees with External Examiners (Mentoring)
- Practical Examinations: Pre-operative Assessment, General Anesthesia, Regional Anesthesia (spinal)

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Cultural Awareness in Clinical Care and Education

23

PRIME

Preparing Residents for International Medical Experiences

- VUMC Departments of Anesthesiology, Surgery, and Obstetrics

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VANDERBILT HEALTH

VIA Global LEAP

Vanderbilt International Anesthesia
Global Leadership in Anesthesia Pathway



CURRICULUM
Lectures and seminars
P.R.I.M.E. Workshop

MENTORSHIP
Faculty academic and project supervision

INTERNATIONAL EXPERIENCE
Clinical and research rotations in Kenya
Research and service trips to Central America

GLOBAL SCHOLARSHIP
Presentation at scientific meetings
Departmental recognition

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Academic Partnerships: Kijabe and Addis Ababa

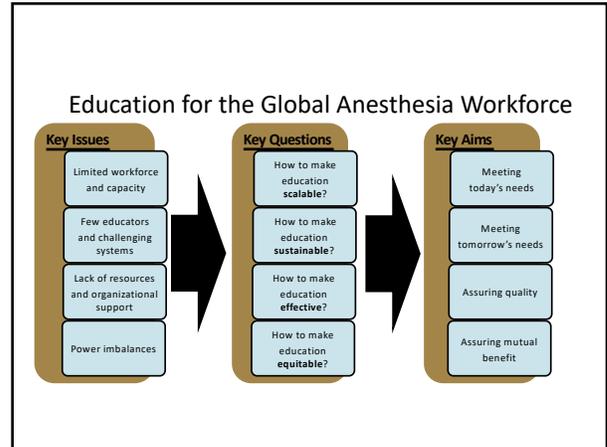


Residents/Fellow Educators



Faculty Educators

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LMS



SIM



TtT



DATA

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IMPACT AFRICA

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ImPACT AFRICA

LMS

- Over 200 modules
 - Video recording, quiz, PBLD
- Intranet system
- Unique username
- layers of access
- Ability to track usage

SIM

- Team-Based Experiential Learning
- Context-Relevant for LMICs
- Trained IT technicians to locally assist in curriculum delivery and hardware maintenance

DATA

- Data Collection
 - Electronic, customized data collection tool
 - Offline data collection on tablet devices with intermittent data upload
- M&E
 - Captures key perioperative surgical and anesthesia outcomes
 - Monitors impact of education capacity building efforts

TtT

- Intensive, structured training in:
 - Clinical and didactic content development
 - Interactive learner engagement
 - Curriculum delivery (classroom & clinical teaching skills)
 - Learner assessment
 - Simulation training and debriefing
 - Formative and summative Feedback

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