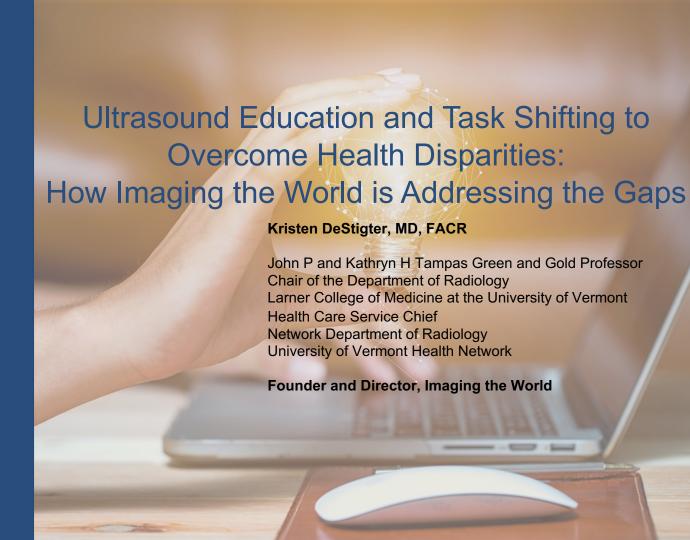


RLI Power Hour

February 23, 2022



No Disclosure





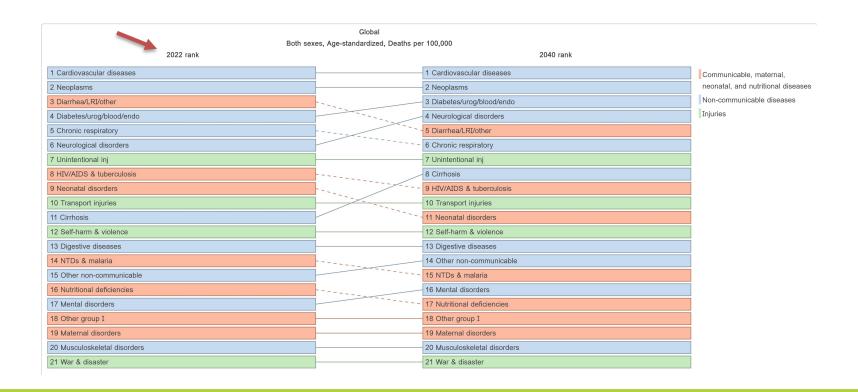
Core Mission of Imaging the World

- Mission: To improve people's lives by increasing access to medical imaging in the world's most rural and resource-limited areas
- Vision: Impact 15 million lives by 2030
- Organized in Vermont, USA in 2008, 501c3 charitable organization
- ITW Africa is registered NGO in 2 countries:
 - 14 years in Uganda
 - 5 years in Malawi
 - Kenya, Ghana, Nepal pending
- Funding: Foundations, Industry, Grants, Private Donors, Research





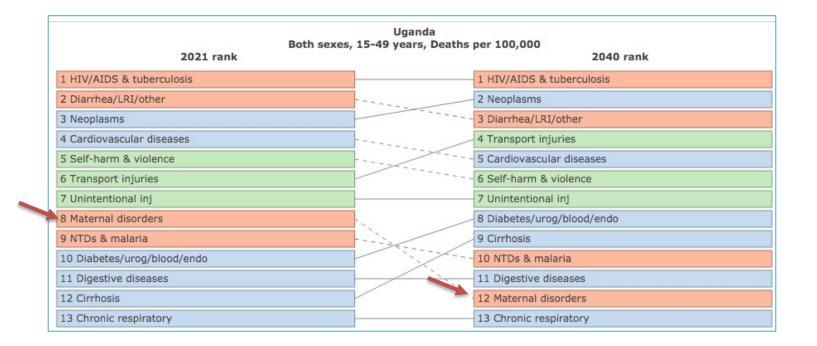
Most Common Causes of Deaths Worldwide



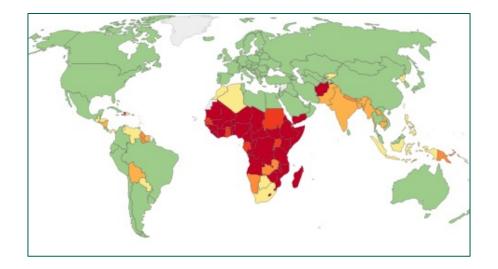
Most Common Causes of Deaths Worldwide

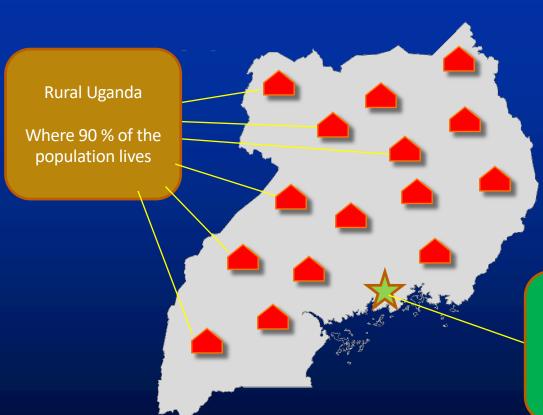


The Problem



Maternal and Child Health



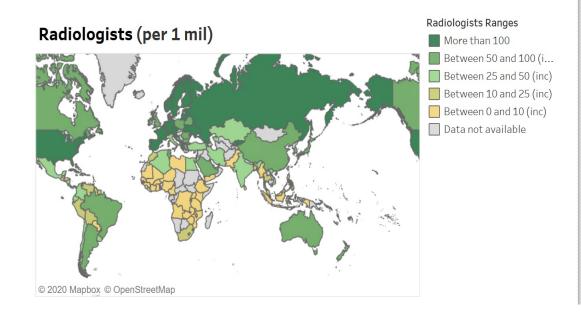


Kampala, Uganda.

Where 90 % of healthcare workers are located

Insufficiencies Leading to Gaps in Access to Care

- Workforce
- Technology
- Infrastructure
- Quality Management



Radiologists per Population in Selected African Countries

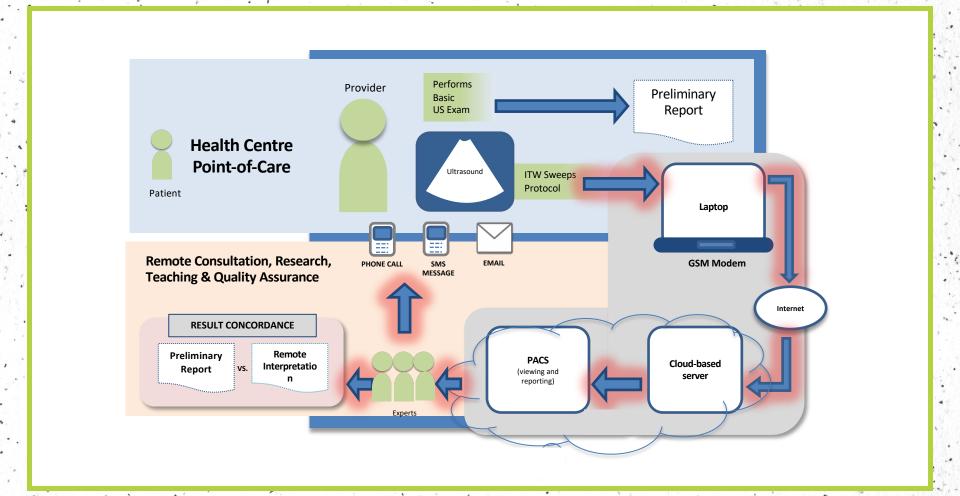
- Tunisia 1:23,000
- Kenya 1:27,000
- South Africa 1:46,000
- Egypt 1:67,000
- Sao Tome 1:95,000
- Cape Verde 1:180,000
- Nigeria 1:510,000
- Angola 1:636,000

- Uganda 1:734,000
- Guinea-Bissau 1:846,000
- Tanzania 1:1.3M
- Ethiopia 1:1.6M
- DR Congo 1:1.8M
- Mozambique 1:4.9M
- Malawi 1:8.8M

Imaging the World Solution

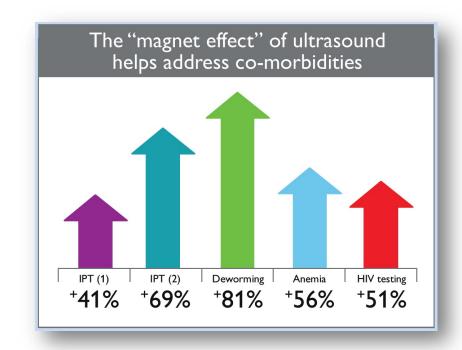
- Equip rural health care facilities with ultrasound:
 - Technology
 - Infrastructure
 - Training and Supervision
 - Quality management
 - Sustainable Business Model





Imaging the World: Metrics of Success

- Catchment population 22K to 3.2 M
- Magnify reach with the same staff and devices
- Intercept problems early before they become acute, end-stage or fatal (30% for obstetrical ultrasound)
- 70% increase in returns for prenatal visits
- Magnet effect at the health centers
- Financial sustainability
- Inquiry leading to dissemination of knowledge



Ultrasound is Suitable in Low-resource Settings

- Portable, rugged, solar-powered, easy to disinfect, low cost, no radiation
- Diagnosis and management of a wide range of common conditions and diseases, including trauma and infectious diseases





Imaging the World: Specific Added-Value

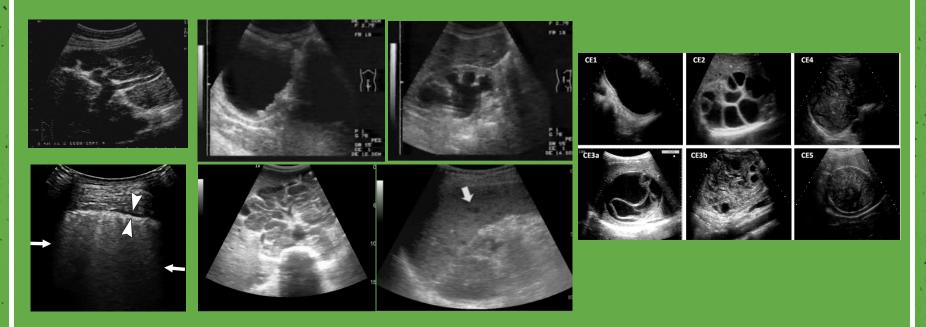
- Core knowledge of obstetric ultrasound and imaging
- Other areas: Echocardiography, Lung, Liver, Genitourinary, Breast, Pediatric, Trauma
- History of service –learning projects with undergraduate students, medical students, and residents
- Pipeline for faculty and other professionals to engage in clinical, teaching, and/or research projects







Ultrasound Imaging of Infectious Diseases



ITW Infrastructure in Uganda and Malawi

- ITW Africa Administrative offices and teams in Kampala, Uganda and Blantyre, Malawi
- ITW Centre for Health Education Research and Innovation (CHERI) in Kampala, Uganda
- A Radiology Division of Health Services Research at UVM already conducting research in Uganda and Malawi
- Work with transdisciplinary teams, including local academic researchers (23 peer-reviewed publications and 56 presentations at scientific meetings, recent collaborative NIH proposal)



Imaging the World: Key Relationships

- Ministries, OPM, local academic institutions, health providers, UCI, local community health workers
- Cross-sector partnerships
- Other academic, industry and funding partners



Imaging the World: On-the-Ground Know-How

- IRB's/UNCST/NGO/CONGOMA processes
- Country rules and regulations
- Supply chain and procurement
- Implementation
- Monitoring and Evaluation
- Cultural context





Where can we have the greatest impact?





ITW Center for Health Education, Research and Innovation





New Expansion





Volunteer Opportunities

- Clinical service, teaching, research, quality management, development
- Resident Training
- Site visits
- Insurance
- Licensing
- Safety



Thank You!









www.imagingtheworld.org