

Transforming our World through Nursing Leadership and Global Health Outreach

PATRICIA A. DUCHARME, MSN, BSN, RN, ANP-BC

DIRECTOR OF NURSING, RAD-AID INTERNATIONAL

NOVEMBER 18, 2019



Key Components

- ✧ Radiology's role on the front lines of global health
- ✧ Nursing's leadership role in advancing global health
- ✧ RAD-AID's Nursing mission and model for advancing nursing education in developing communities
- ✧ Sharing our vision for global health outreach

The Need for Radiology in the World

Half the world has no access to radiology,
approximately 4 billion people.....

(source: World Health Organization)



Medical Needs for Radiology

- ▶ **Babies and mothers** –ultrasound- for safe delivery
- ▶ **Women** -mammography - breast screening
- ▶ **Cancer patients** -CT/MRI/PET - staging and treatment
- ▶ **Trauma and infection victims** - x-ray, ultrasound and CT - injuries and outbreaks
- ▶ **Heart and stroke victims** - CT, angiography and ultrasound for diagnosis and treatment

Need for Global Radiology

- ▶ **Tanzania**: 58 radiologists for 56 million people
- ▶ **US/Canada/Europe**: 25 CT scanners per 1 million people
- ▶ **Africa**: less than 1 CT scanner per 1 million people
- ▶ **Breast Cancer 5 year survival**:
US 89%, S. Africa 53%, Gambia 15%

Global Nursing Shortage

- * Nurses are the **largest** group of healthcare providers globally (Wong, F., et al. 2015)
- * Nurses account for nearly **50%** of the current shortage of healthcare workers
- * The world will need **9 million** nurses and midwives by 2030
- * Greatest needs in **SE Asia** and **Africa**



*(World Health Organization Fact Sheet, Feb. 2018)

The WHO Sustainable Development Goals

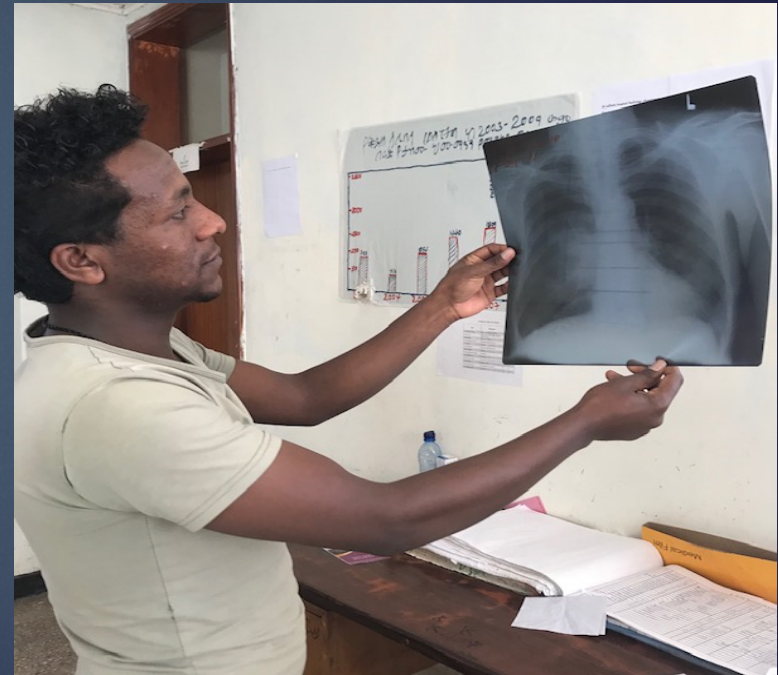
Transforming our world: The 2030 agenda for sustainable development

- Nursing's impact on global health

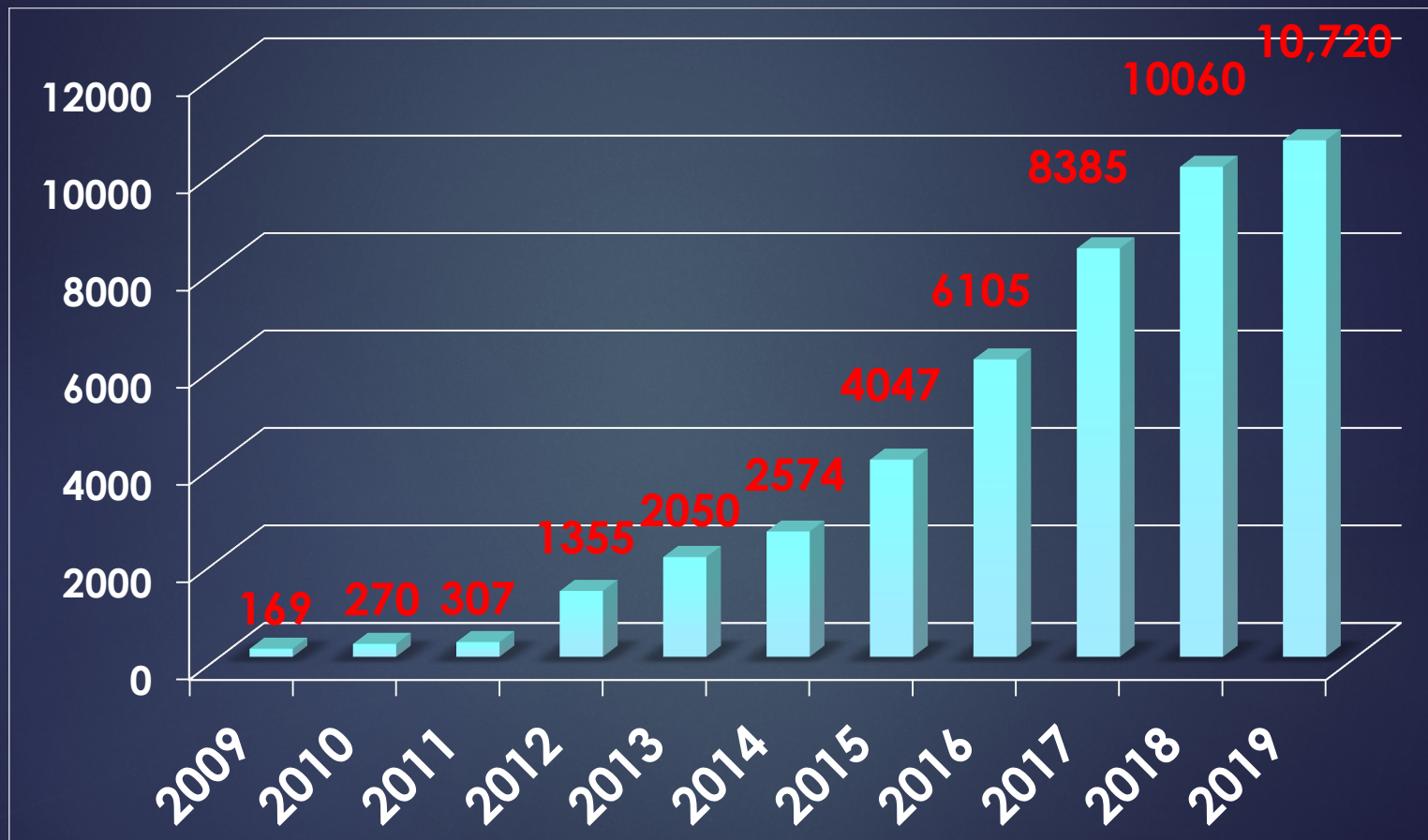


RAD-AID's Mission

To increase and improve radiology in poor and developing countries....



RAD-AID Volunteers & Supporters



RAD-AID Nursing's Mission

BUILD

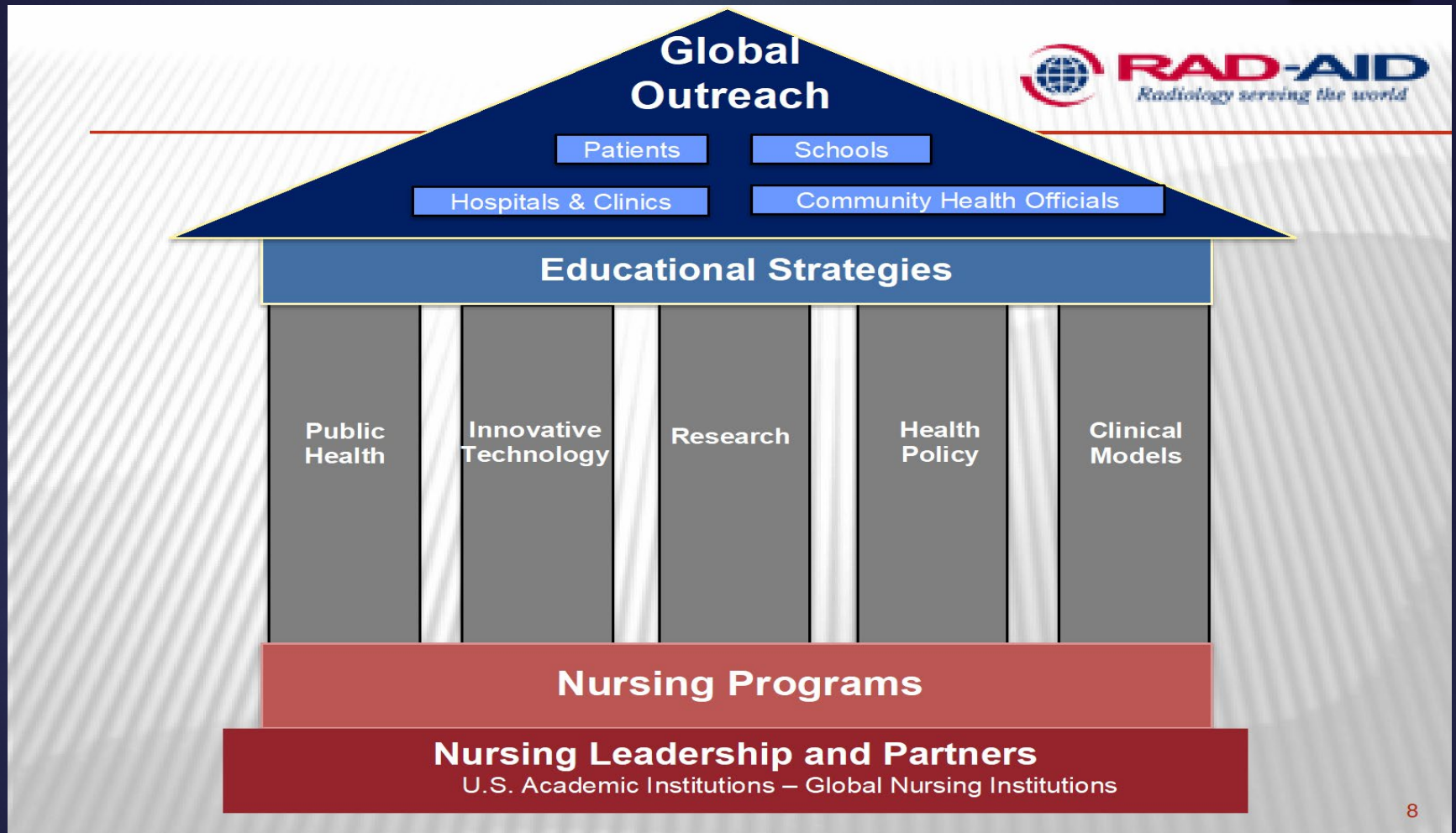
- Nursing capacity
- Knowledge
- Clinical skills



ADVOCATE

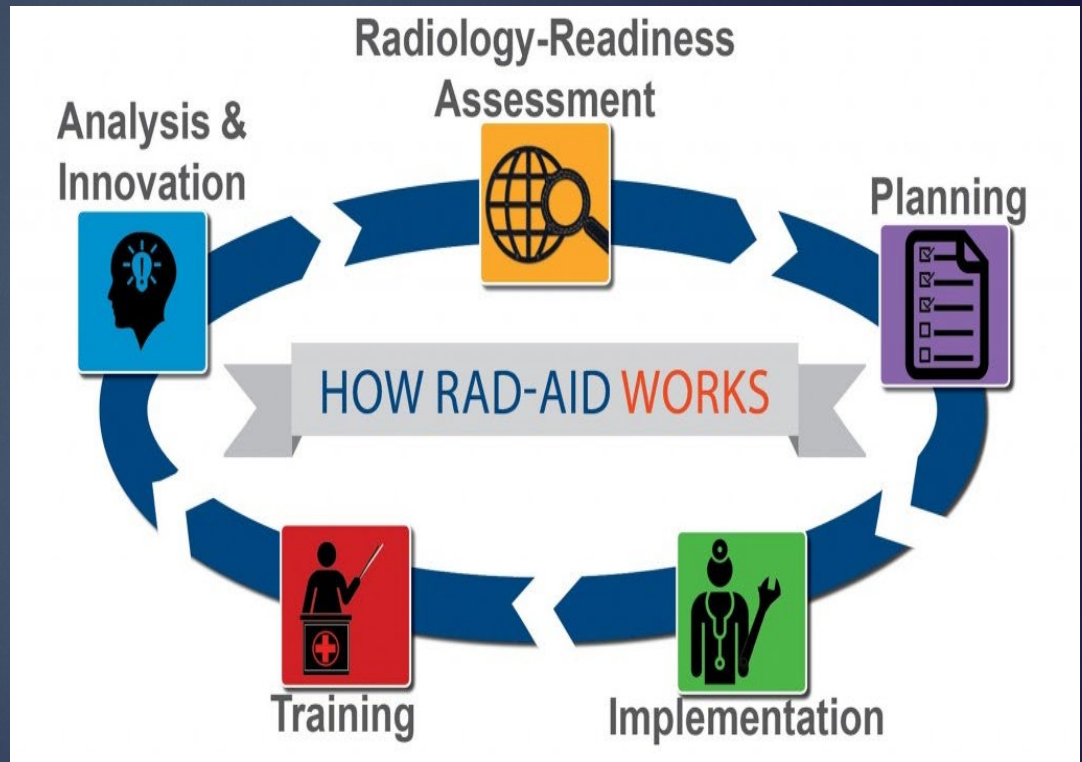
- Health and wellbeing of populations in resource-limited settings

RAD-AID Nursing Model



Implementing the Mission: RAD-AID Nursing Assessment

- ➔ Policy
- ➔ Clinical
- ➔ Technology
- ➔ Public Health
- ➔ Research



RAD-AID Nursing's Roles

- Primary Care
- CT with Contrast
- IR Nursing
- Maternal-Fetal Health
- Women's Health
- Emergency and Triage
- Radiation Oncology
- Infection Control/Safety

RAD-AID 2020 Nursing Programs

- ➔ Breast CA – Guyana, Wash. DC, Peru, Kenya, Haiti, Ghana
- ➔ Maternal-Fetal/Ultrasound - Grenada
- ➔ IR – Kenya, Vietnam, Ethiopia, Nigeria
- ➔ Radiation-Oncology – Kenya, Ghana
- ➔ CT with Contrast – Guyana, Ethiopia

HAITI – Women's Health

Breast Cancer Screening (May 2017)



Washington, DC

Breast Care for Washington Mobile Imaging and Breast Cancer Outreach

May 2019



GRENADA

- *Maternal-Fetal Health
- * Radiation Safety
- * Infection Control



Kenya – Ethiopia – Nigeria - Vietnam

Interventional
Radiology
Nursing



China

Radiation Oncology



GUYANA

-CT with Contrast Training (Sept. 2018/2019)

-Mammography (May 2019)



On the Horizon

Increasing our volunteer base/funding
Fostering Sustainable Programs
Expanding Curriculum Development



Strengthening Partnerships

- ▶ **Recruitment** - Nurse Volunteers
- ▶ **Social media** promotion
- ▶ **Curriculum** development
- ▶ **Funding** for global health outreach
- ▶ **Journal of Radiology** article publications
- ▶ **Conferences**
- ▶ **Webinars**



Sharing our Vision

RAD-AID Sponsored UN event
International Nurses Day, **May 10, 2019**

PHILIPS **BD** **Hackensack Meridian Health** **Northwell Health**

Nurses With Global Impact, together with their sponsors, cordially invite you to

**THE 3rd ANNUAL CELEBRATION of
International Nurses Day
at the United Nations**

VILLANOVA UNIVERSITY
M. Louise Fitzpatrick
College of Nursing

Accredited as a provider of continuing nursing education by the American Nurses Credentialing Center Commission on Accreditation. Participants who attend this entire conference will be awarded 2.0 contact hours.

Register NOW!
\$95 – seating is limited
[Click Here to Register!](http://bit.ly/INNursesDay2019)
or go to <http://bit.ly/INNursesDay2019>
Registration closes May 6th!
2.0 contact hours will be awarded

**Friday, May 10, 2019
10:00 am - 2:30 pm
UNITED NATIONS, NEW YORK**

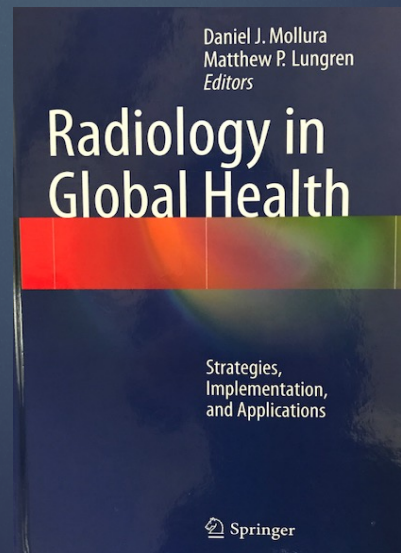
SPECIAL KEYNOTE SPEAKER!
Marcus Engel is a speaker, educator, and author who will present "The Other End of the Stethoscope." He also co-founded with his wife, the "I'm Here" movement, which is changing the culture of care with two simple words.
Presentation by Ruth McDermott-Levy, PhD, MPH, MSN, RN
Former 2018 recipient of the Inspiring Global Nurse Award, Ms. McDermott-Levy, will present her research findings in collaboration with the Finnish Nurses Association and the University of Eastern Finland, on climate related health impacts observed in Finland.

RWJBarnabas HEALTH **HSC** **ANCC** **Western Connecticut Health Network** **Alantech Health Systems**
Memorial Sloan Kettering Cancer Center **NYU** **RAD-AID.org** **GOLD FOUNDATION** **Sovereign Order of Malta** **Malteser International**

Journal of
Radiology Nursing
Official Journal of the Association for Radiologic & Imaging Nursing



RAD-AID Conference
November 2, 2019
Washington, DC



THANK YOU!



Contact Information:

Patricia DuCharme

pducharme@rad-aid.org

C: 908-858-4343

