



RADIATING  
**HOPE**

**Advancing Cancer Care Globally**

# Founded in 2010 by Radiation Oncologists



We are medical professionals, volunteers, donors, and supporters who bring cancer care to places with limited access to radiation oncology.



**Our Mission:**  
**To improve cancer care, specifically radiation**  
**oncology, in developing areas**  
**around the globe**



# What We Do

- Provide radiation equipment to countries where cancer care is hard to find and optimal treatments are sparse.
- Create sustainable change as we educate communities, preserve cultural values, and build community relationships.
- Raise funds and awareness through mountaineering, the dedication of prayer flags, and other projects.
- Forge strategic partnerships with medical professionals and equipment manufacturers to support our mission.
- Believe that the efforts of one can change the lives of many.



# What We Have Done

## Panama City, Panama

- In 2010, RH donated brachytherapy equipment to the International Cancer Center, trained cancer center staff and medical professionals, and performed cancer screenings. This cancer center is now self-sustaining.



## Tegucigalpa, Honduras

- In 2011, RH provided two donated radiation machines to oncologist, Dr. Perez.

## Dakar, Senegal

- In 2012, RH provided Senegal with their first-ever High Dose Rate (HDR) brachytherapy machine (one of only eight in Africa as of 2012) at L'Institut Curie de L'Hopital Aritide Le Dantec. We also tuned up their cobalt radiation machine and updated the cancer center. Returned in 2013 and provide ongoing support from RH volunteers.



## Kharkiv, Ukraine

- In 2014, RH facilitated the donation of a refurbished linear accelerator. This machine replaced an old cobalt unit.

## Mount Kilimanjaro, Tanzania

- From 2014 - 2016, RH has raised more than \$200K for cancer care in Africa through our annual fundraising climb of Mt. Kilimanjaro and safari.



# What We Have Done (cont.)



## **Tanzania: Greater Horn Oncology Symposium (GHOS)**

- In 2014 and again in 2016, RH put on a multidisciplinary oncology symposium dedicated to increasing awareness of cancer care in the Greater Horn of Africa. By bringing together physicians and oncology industry members from abroad, as well as local physicians and politicians, we facilitated collaboration on developing local cancer care.

## **Mwanza, Tanzania**

- In 2015, RH, in partnership with Varian, sent a Linear Accelerator donated by the Mayo Clinic to Tanzania.
- In 2016, RH sent an HDR machine to Tanzania. Both machines will be located at the Bugando Medical Center in Mwanza and will serve all of Northern Tanzania and the surrounding area.

## **Guatemala City, Guatemala**

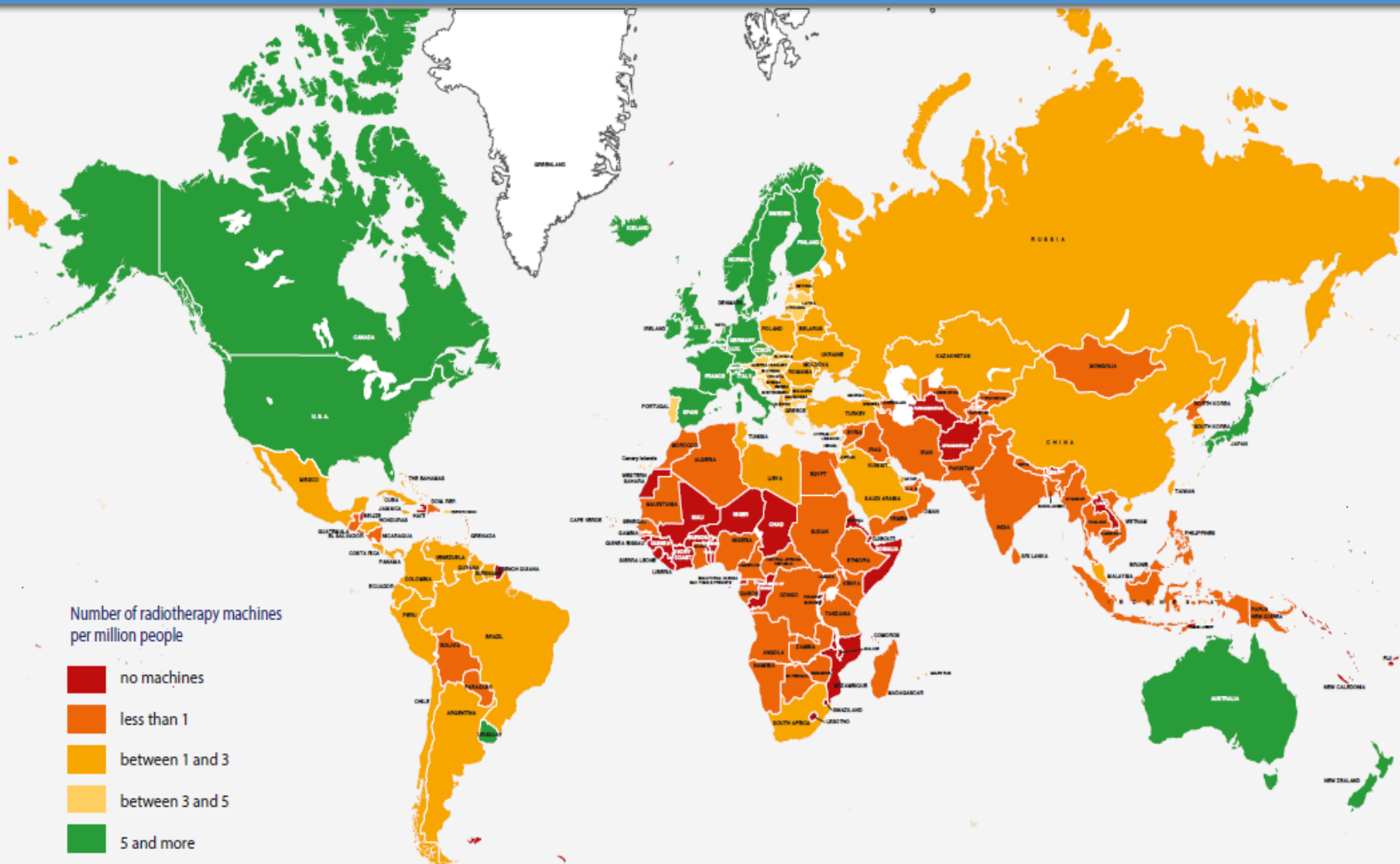
- In 2015, RH shipped 3 needed orthovoltage radiation machines to the National Cancer Institute in Guatemala.





# Why We Do It

Number of Radiotherapy Machines per Million People



Number of radiotherapy machines  
per million people

- no machines
- less than 1
- between 1 and 3
- between 3 and 5
- 5 and more

Source: DIRAC (Directory of Radiotherapy Centres), 2012 / IAEA

For more information: <http://www-naweb.iaea.org/nahu/dirac/>  
[dirac@iaea.org](mailto:dirac@iaea.org)

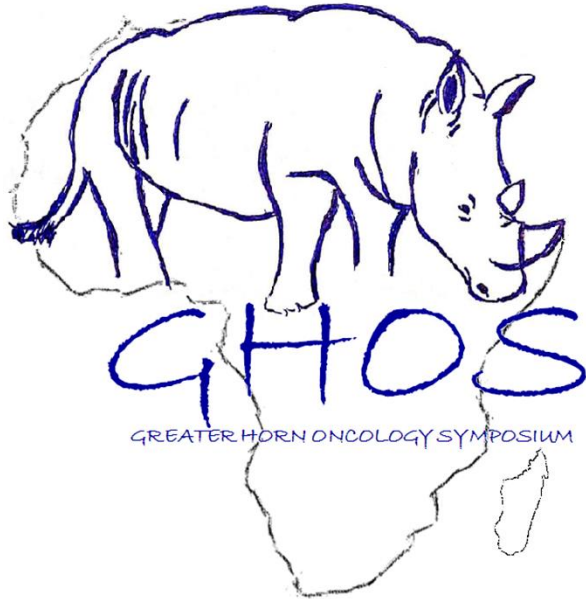
# The Greater Horn of Africa

Country	Machines Needed	Existing Machines	Additional Machines needed
Djibouti	1	0	1
Eritrea	4	0	4
Ethiopia	74	2	72
Kenya	40	2	38
Somalia	8	0	8
Sudan/ S Sudan	31	7	24
Tanzania	30	3	27
Uganda	39	1	38
Total Needed			212



# Our Vision Going Forward

## 2017 and beyond



### Africa

- In Tanzania in June, RH will hold our fourth annual fund-raising climb and safari of Mt. Kilimanjaro. The funds raised will continue to help support the machines in Mwanza, provide oncology training, and raise awareness about cancer care in the Greater Horn of Africa.
- In Kenya, RH will continue to support physics training as well as provide a medical team to assist in support and education of a newly installed Linac.

### Latin America

- In Honduras, RH will provide a donated Linac from Miami, Florida, USA along with necessary training.
- In Guatemala, RH will provide a donated HDR machine to the INCAN facility along with training and support.

### Asia

- In April, we will hold our first fundraising climb to Everest Base Camp in Nepal.
- The funds raised in Nepal will go towards a HDR machine for the Kathmandu area.



# How You Can Help the Radiating Hope Mission

- **Fundraise**
  - Join one of our climbs, donate on our website, have your company or facility support one of our projects.
- **Volunteer**
  - Join one of our medical missions, volunteer to serve at one of our project sites.
- **Join our Radiating Hope Society**
  - Anyone can join on our website. Your annual membership fee will go directly to support the success of our mission.
- **Donate Used Equipment**
  - Radiating Hope is a registered non-profit organization and in many cases can offer a tax deductible receipt for the value of any donation.
- **Encourage Corporate Support**
  - In order to further our mission, Radiating Hope needs support from industry leaders and manufacturers such as Varian and Elekta. Please encourage those leaders you know to support our cause and help with our efforts.

# Radiating Hope

Building a Model for the Developing World

Thank you,  
and climb on!

Please visit us at  
**[radiatinghope.org](http://radiatinghope.org)**

