

Reducing Global Cancer Deaths

Project STELLA

(Smart Technologies to Extend Lives with Linear Accelerators)

30th Anniversary of the TERA Foundation
C. Norman Coleman
Senior Scientific Advisor (NGO)



International
Cancer
Expert Corps



Science and
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Project STELLA

A **world class team of experts** has been working on the STELLA Radiation Treatment Technology since 2017 in order to:

- Expand access to high quality cancer treatment globally
- Offer an innovative and transformative Radiation Therapy (RT) treatment system
- Drive down the operating complexity and cost of treatment
- Answer a critical societal need that current manufacturers do not address

The novel treatment system will be:

- More reliable
- 50% lower capital expense
- 40-60% less costly to operate and service



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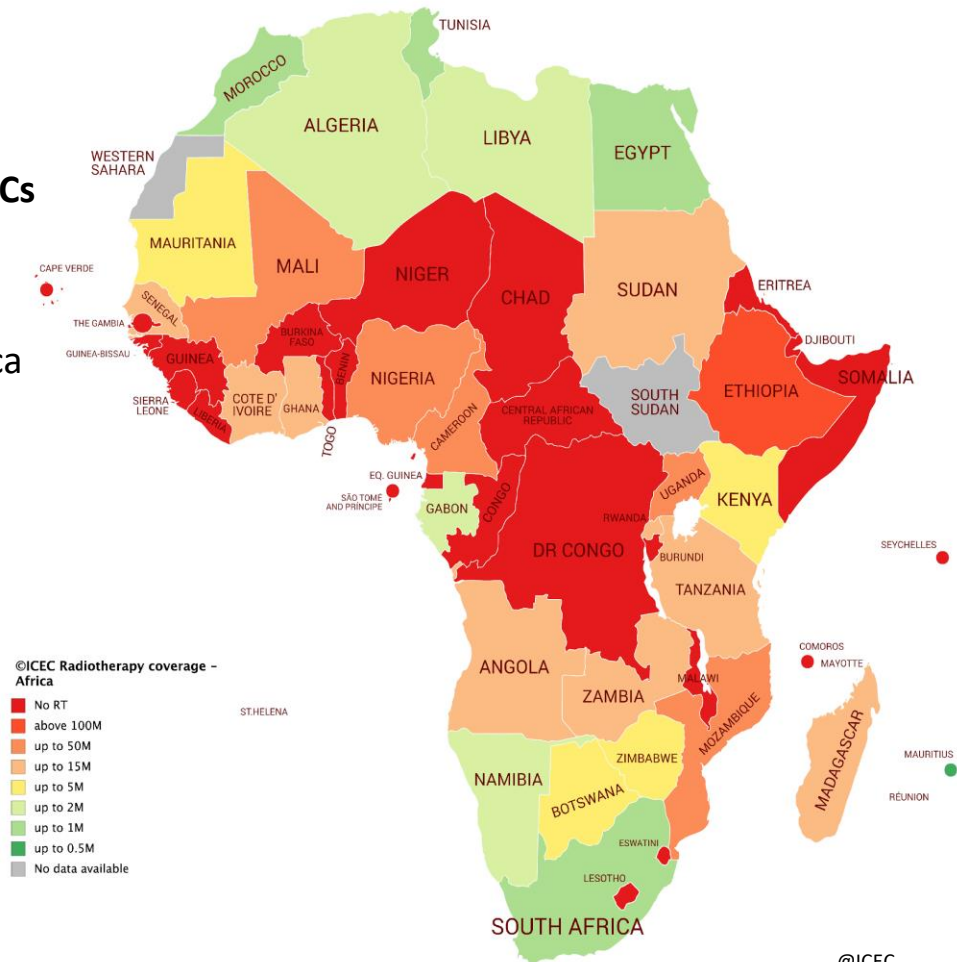
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Dramatic Disparity in Access to Radiation Therapy (RT)

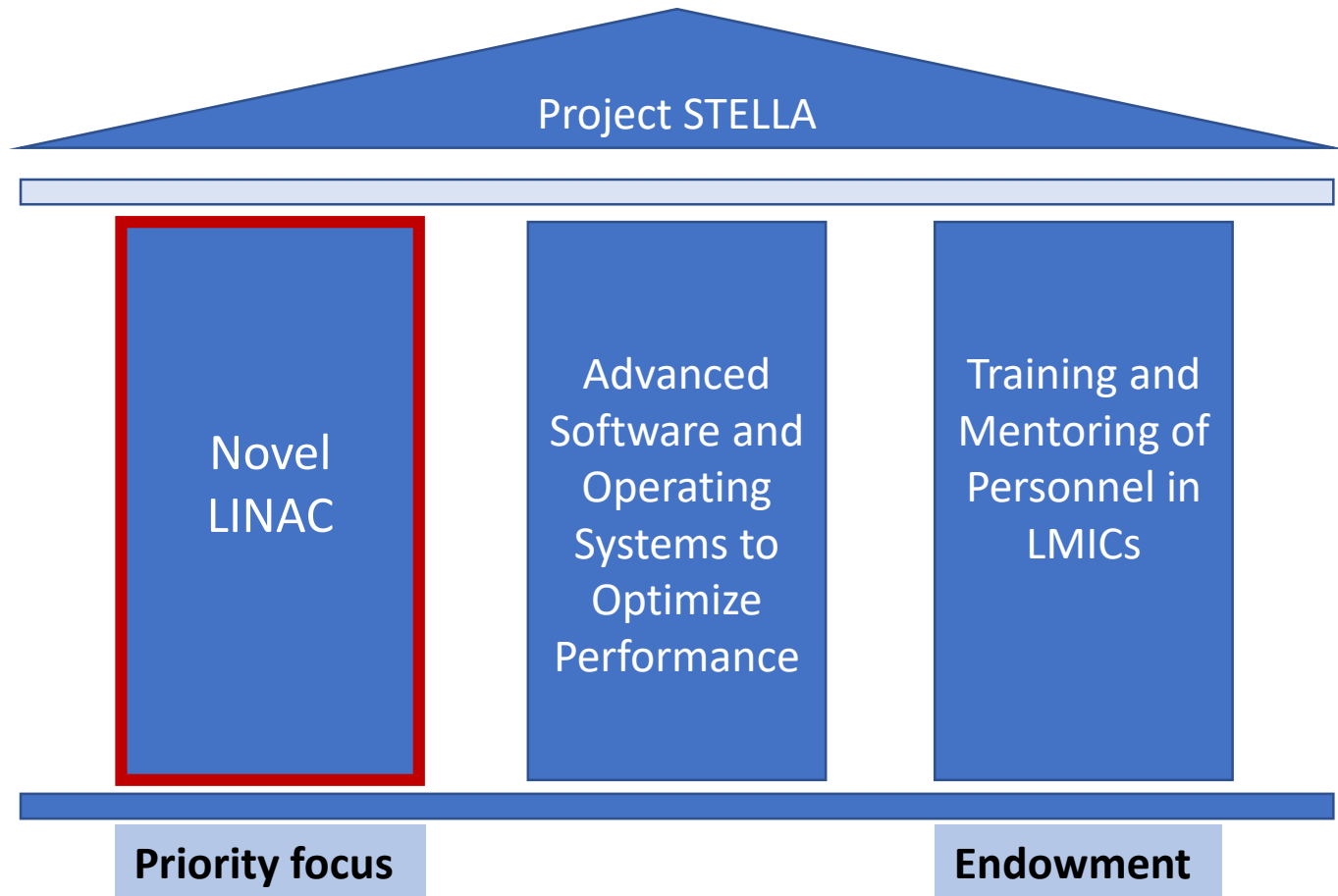
- RT is **essential** for most cancers
- **2040 - 27.5 M** new cases and **16.3 M** deaths
- **70%** of projected cancer deaths will occur in **LMICs**
- Only **10%** of patients in **low-income** and **40%** in **middle-income** countries have access to RT
- **Current need for more than 3500 LINACs** in Africa alone
- Estimated need for **more than 10,000 LINACs** in LMICS by 2035



Disparity –

- US – 331 Million people – 3827 LINACs
- Ethiopia – 115 Million people – 1 LINAC

Project STELLA Integrated Solution



Getting the job done: PEOPLE, technologies, knowledge, methods



Botswana 2019 Project STELLA
A Partnership to Transform Global Cancer Care



Healthful aging and mentorship: People-to-people



GLOBAL HEALTH: SCIENCE AND PRACTICE
Dedicated to what works in global health programs



COMMENTARY

Capturing Acquired Wisdom, Enabling Healthful Aging, and Building Multinational Partnerships Through Senior Global Health Mentorship

C. Norman Coleman,^a John E. Wong,^b Eugenia Wendling,^a Mary Gospodarowicz,^c Donna O'Brien,^a Taufeeq Abdallah Ige,^d Simeon Chinedu Aruah,^{d,e} David A. Pistenmaa,^{a,f} Ugo Amaldi,^g Onyi-Onyinye Balogun,^{a,h} Harmar D. Brereton,^{a,h} Silvia Formenti,^{a,h} Kristen Schroeder,^{a,i} Nelson Chao,^{a,i,j} Surbhi Grover,^{a,k,l} Stephen M. Hahn,^k James Metz,^k Lawrence Roth,^a Manjit Dosanjh^{a,h}

