

# RADIOTHERAPY

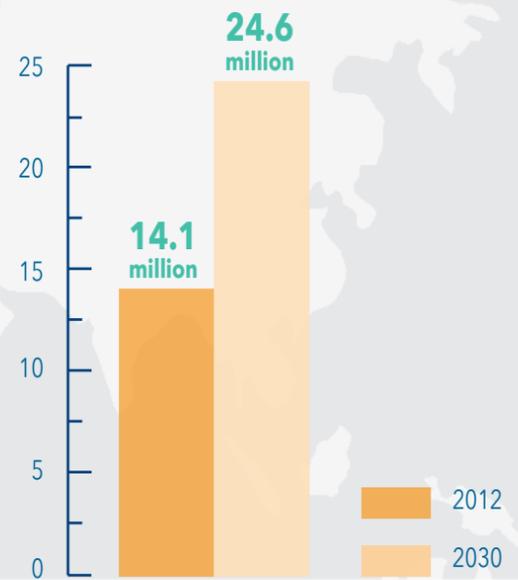
A Critical Component  
of Cancer Treatment

## Global Cancer Rates Are on the RISE



90% OF THE POPULATION IN LOW-INCOME COUNTRIES LACK ACCESS TO RADIOTHERAPY.

CANCER CASES EXPECTED TO RISE  
FROM 2012 TO 2030



- Only 40 - 60% of patients with cancer have access to radiation therapy.
- Low- and middle-income countries have 80% of the global cancer burden, but only 5% of resources for cancer control.



## Patients Need Access to Radiotherapy

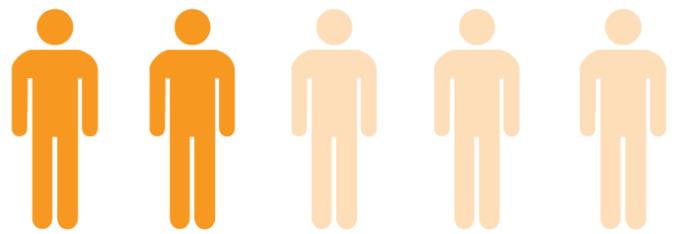
### BENEFITS

If all patients needing radiotherapy had access, in 2035:

Cancer in 2.5 million people would be **PREVENTED FROM PROGRESSING**

950,000 people would have an **OVERALL SURVIVAL BENEFIT**

**Radiotherapy** is important for managing most cancers, such as breast, lung, prostate, head and neck, and cervical cancers, which account for more than **two-fifths** of cases worldwide.



- In 2035, 12 million patients worldwide will need radiotherapy.

### Radiotherapy is a Cost-Effective Cancer Treatment

In fact, radiotherapy can be more cost effective than other forms of cancer treatment, such as chemotherapy and surgery.<sup>1,2</sup>

Some 55,000 patients may benefit from treatment with each radiotherapy device.

## We Can Expand Access to Radiotherapy

Full access to radiotherapy for all patients in low- and middle- income countries can be achieved for as little as \$97 billion—producing economic benefits ranging from \$278 to \$365 billion over the next 20 years, and saving 27 million life years.

Visit [www.thelancet.com/commissions/radiotherapy](http://www.thelancet.com/commissions/radiotherapy) to read experts' recommendations for expanding access to radiotherapy.



Investment in full access  
**\$97 billion**



Economic benefits  
**\$278 - 365 billion**



Saved  
**27 million life years**

SOURCES: Atun R, et al. Expanding global access to radiotherapy. *Lancet Oncol.* 2015 Sep;16(10):1153-86

<sup>1</sup> Bijlani A, et al. Stereotactic radiosurgery and stereotactic body radiation therapy cost-effectiveness results. *Front. Oncol.* 2013 April. 3:77.

<sup>2</sup> Department of Health and Human Services, Centers for Medicare & Medicaid Services. Medicare five percent sample LDS SAF files, 2006.