

# **23<sup>rd</sup> WiN Global Annual Conference**

**Women in Nuclear Meet Atoms for Peace**

## **Programme of Action for Cancer Therapy: Maximizing Investments in Radiation Medicine**

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**IAEA**

International Atomic Energy Agency

# Outline

- Drivers for global action on cancer
- Comprehensive cancer control
- Main products and services of IAEA/PACT

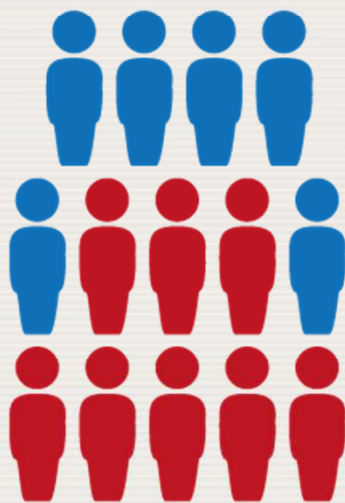


# The growing global cancer burden

14.1m new cases  
of cancer globally  
per year

8m in low and  
middle income  
countries

**57%**

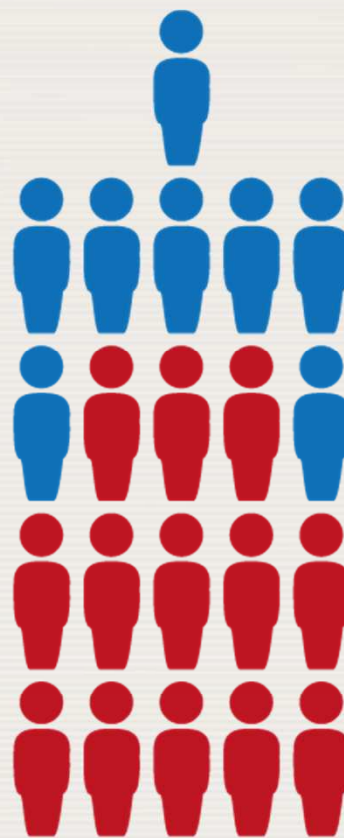


**2012**

21.6m new cases  
of cancer globally  
per year

13m in low and  
middle income  
countries

**60%**



**2030**

# The growing number of cancer deaths

8.2m cancer  
deaths globally  
per year

5.3m in low and  
middle income  
countries

**65%**



**2012**



**2030**

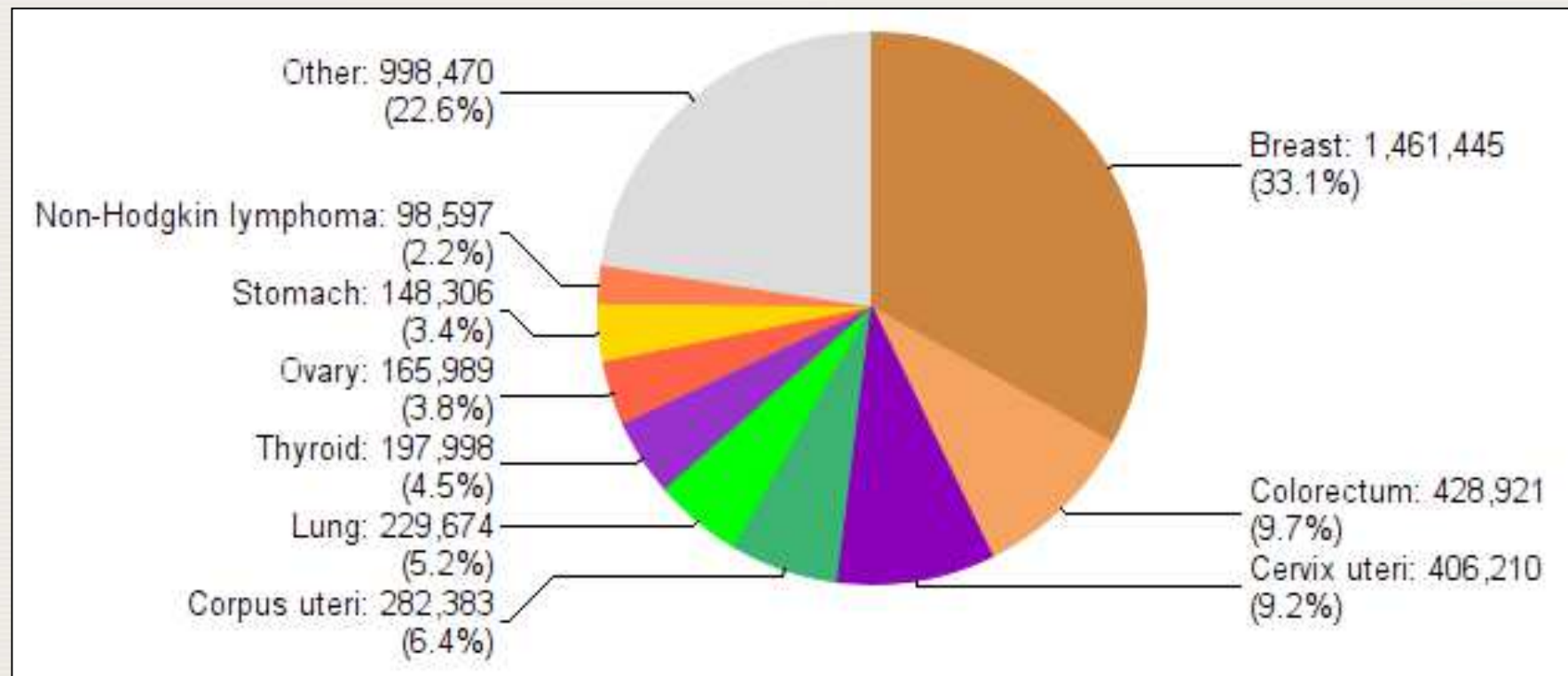
13m cancer  
deaths globally  
per year

9m in low and  
middle income  
countries

**69%**

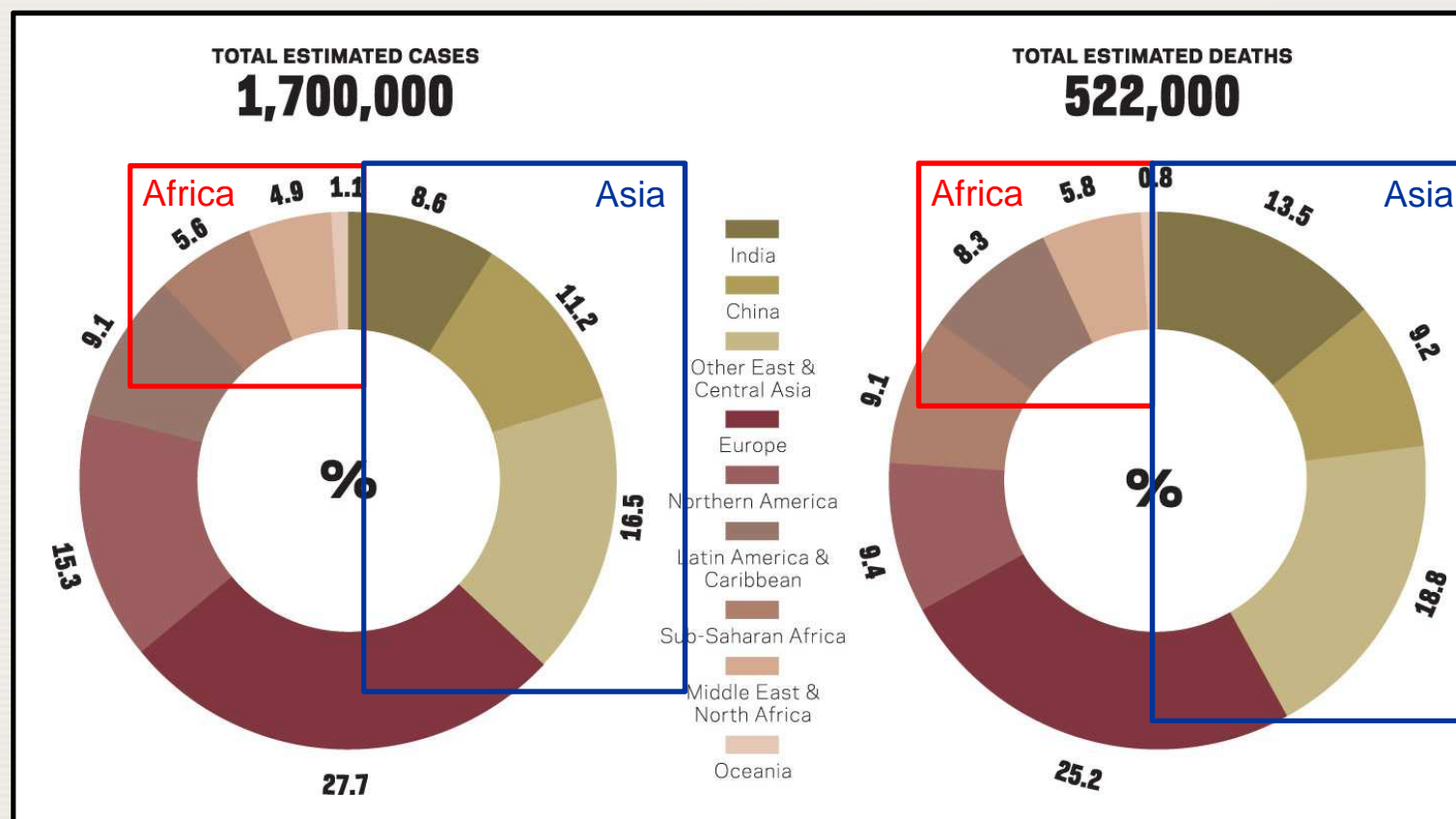
# Women's cancers: global perspective

**Global estimates female cancer cases,  
Adult population (total 4,417,993)**



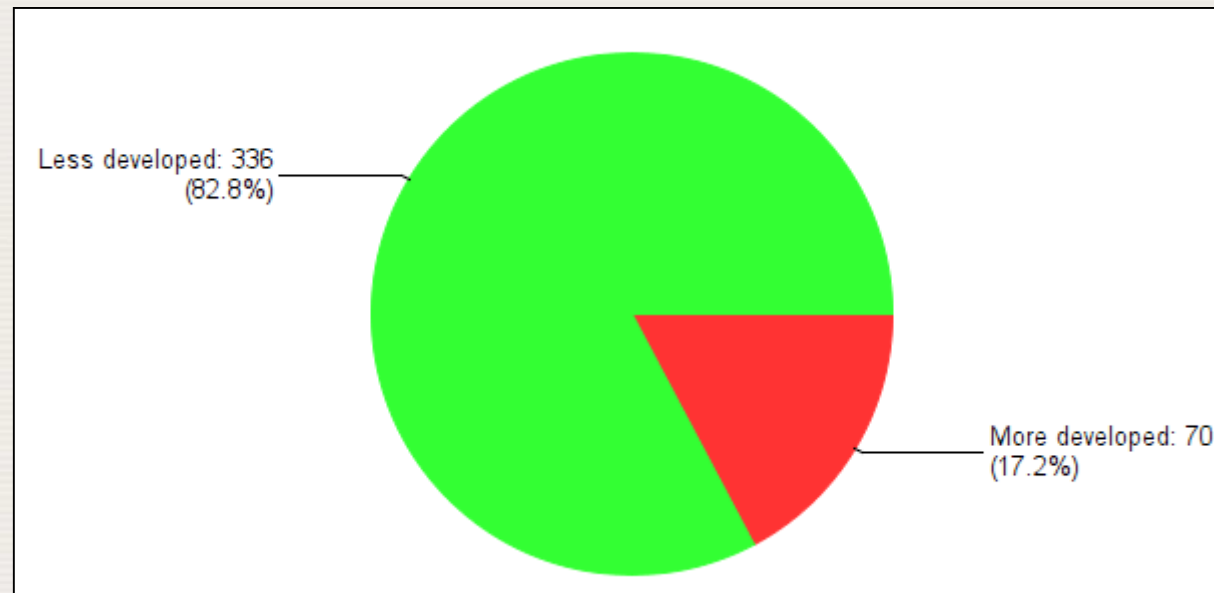
# Breast cancer

Most common cancer in women worldwide



# Cervical cancer

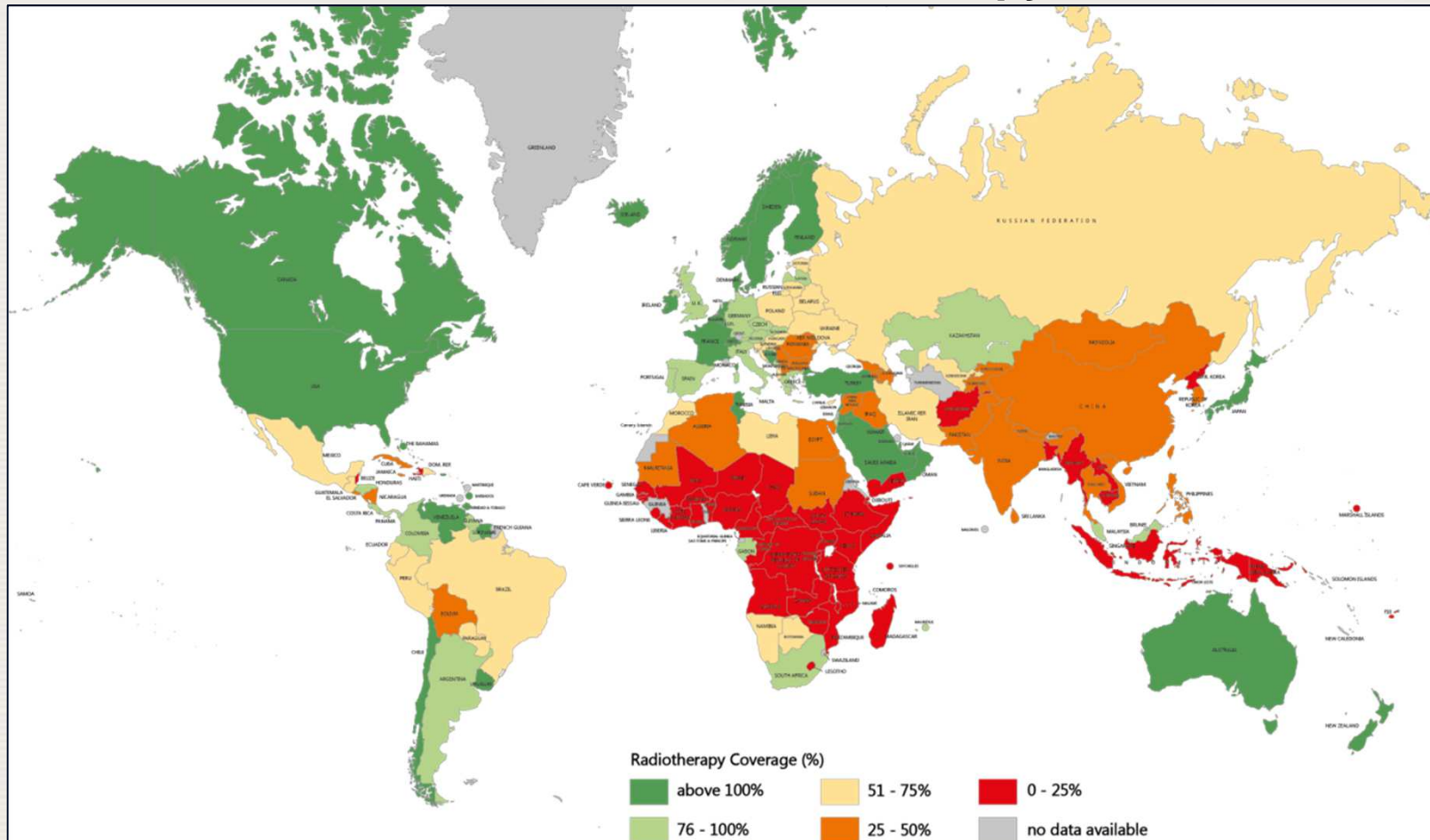
**Estimates of new cervical cancer cases,  
1 year prevalence (per 100,000)**





# Inequity in Access to Cancer Care

An estimated shortfall of over 5,000 radiotherapy machines in LMICs





# Inequity in Access to Cancer Care

Access to RT is limited in many countries by:

- Weak Health systems
- Insufficient number of radiotherapy centres and treatment units
- Lack of trained workforce
- Geography
- Lack of safety regulatory infrastructure

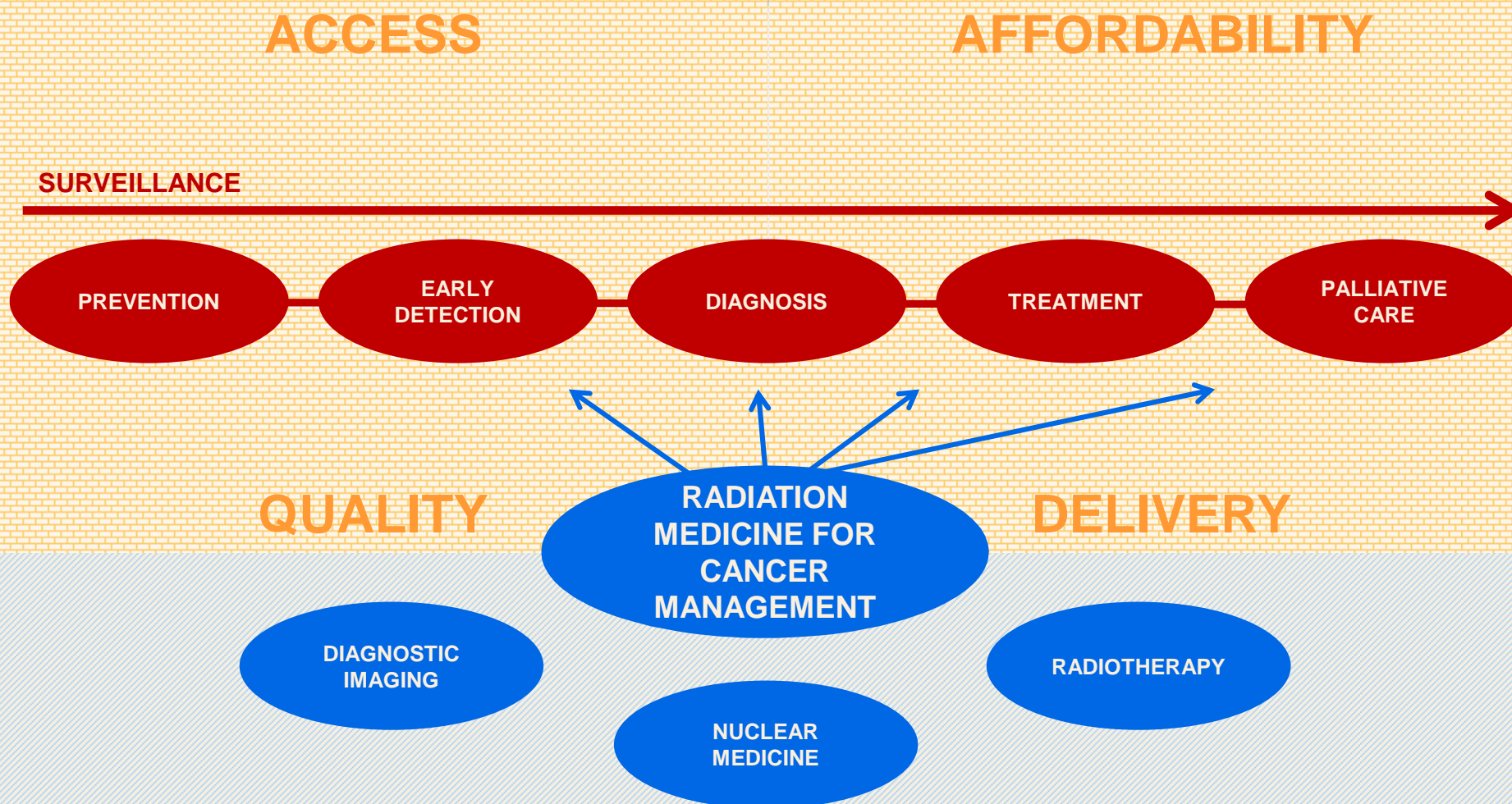


# IAEA Expenditure on Cancer-related Projects

(1983-2014)



# Comprehensive cancer control approach



# PACT

## Mission:

*“To fight cancer in LMICs by ensuring **effective partnerships** and **integrating radiation medicine** within a comprehensive national cancer control approach.”*

- Delivers targeted services to IAEA Member States in support of comprehensive cancer control programs
- Spearheads IAEA’s strategic partnerships and resource mobilization for comprehensive cancer control
- Advocates for comprehensive cancer control on the global health and development agenda
- Raises awareness of and commitment to the role of IAEA in cancer control



# PACT's main services

- Country needs assessments / support to national cancer control plans (**imPACT review missions**)
- Targeted country support/joint programme delivery (**IAEA-WHO Joint Programme** on Cancer Control, e.g. **PACT Model Demonstration Sites**)
- Global level advocacy and guidance:
  - Advisory Group on increasing Access to Radiotherapy Technology in LMI Countries (**AGaRT**)
  - Member of United Nations Taskforce on the Prevention and Control of NCDs
- Training, capacity building (**Virtual University of Cancer Control**, targeted training workshops)
- **Strategic Partnerships** and **Resource Mobilization**





# A Partnership Approach



International Agency for Research on Cancer  
Centre International de Recherche sur le Cancer





# Thank you!



Programme of  
Action for  
Cancer  
Therapy

**PACT**

[cancer.iaea.org](http://cancer.iaea.org)

