ACCESS TO RADIOTHERAPY IN LOW- AND MIDDLE-INCOME COUNTRIES

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Radiotherapy is an essential component of cancer care

Access to radiotherapy must be ensured for the entire population
More than 90% of patients in HIC have access to radiotherapy.

50-60% of patients in LMIC have access to radiotherapy.

10% of patients in LIC have access to radiotherapy.
There is a problem of access to radiotherapy in LMICs.

The message is not complete if the other components of the cancer control continuum are not included in the cancer policies aimed to improve cancer outcomes.
The proof of access is the use of the service, not simply the presence of a facility. Access can, accordingly, be measured by the level of use in relation to “need”.

Access can be defined as the opportunity to have health care needs fulfilled.

The relationship of the volume and type of the existing services (and resources) to the clients' volume and types of needs.

The relationship of prices of services and providers’ insurance or deposit requirements to the clients’ income, ability to pay, and existing health insurance.

The relationship between the manner in which the supply resources are organised to accept clients and the clients’ ability to accommodate to these factors.

Relationship between the location of supply and the location of clients, taking into account of client transportation resources and travel time, distance and cost.

The relationship of clients’ attitudes about personal and practice characteristics of existing providers, as well as to provider attitudes about acceptable personal characteristics of clients.

INVESTMENT CASE FOR RADIOThERAPY IN LMICs

COST-EFFECTIVENESS OF INTERVENTIONS
- Define thresholds
- Define league tables

VALUE FOR MONEY
- Net-Present-Value
- Cost-Benefit Analysis

BUDGET IMPACT ANALYSIS
- Cashflows
- Long-term needs
- Cost of replacement

AFFORDABILITY OF INTERVENTION
- Total cost of ownership (TCO)
- Public-Private Partnerships (PPP)

Intervention might be cost-effective
Intervention might return the investment
Intervention needs high recurrent operational costs
Innovative financing needed for long-term sustainability
“to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world.”
"The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world"

Article II of the Statutes of IAEA