Human Health

The **H**uman Health Sector has benefited from applications of nuclear technology in numerous ways. In most RCA Member States, emphasis is on diagnosis and treatment of cancer, early detection and treatment of other common hereditary and nonhereditary diseases, and identification of nutritional deficiencies.

RCA projects related to Human Health projects are grouped into six areas - **Cancer, Nuclear Medicine, Medical Physics, Joint & Bone Disorders, Tissue Grafts and Radioimmunoassay.**

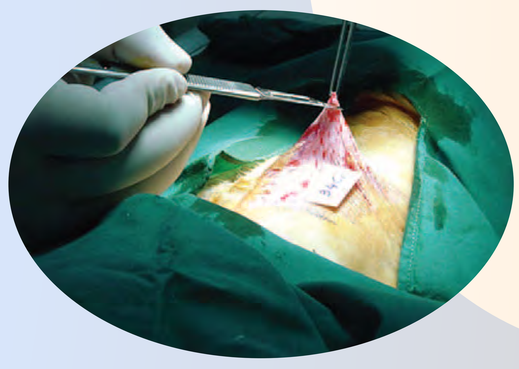
Distance learning is a major component of these projects.

Collaborative Activities under Health Care Projects		
Regional Training Courses	114	2,177 Participants
Regional Technical Workshops / Technical Meetings	50	440 Participants
Regional Project Planning Meetings	43	592 Participants
Expert Missions to Member States	223	

Regional Training Course in India

Training Tissue Bank Operators

- The first curriculum of its kind on tissue banking was established and has trained 130 tissue bank operators in the Asia-Pacific region.
- The curriculum was converted to a multimedia course and later to an on-line delivery resource leading to outreach into Latin America, Europe and Africa.

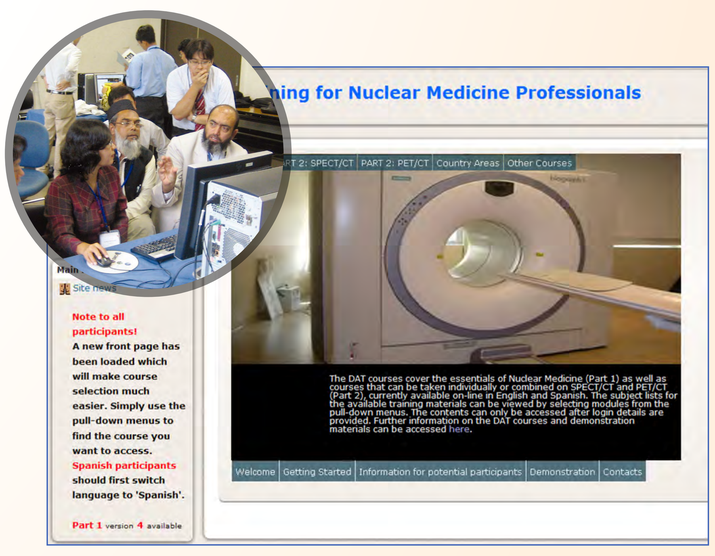


Improving Medical Physicists Capabilities and Capacities

- A series of clinical training guides for medical physicists in the sub-specialties of radiation oncology, diagnostic radiology and nuclear medicine have been developed and published.
- The guides have been piloted in 10 sites and adapted by other regions including Africa, Latin America and ARASIA.

Distance Assisted Training for Nuclear Medicine Professionals (www.datnmt.org)

- The structured on-line training programme contains 40 subjects delivered through 16 modules covering a wide range of nuclear medicine topics to improve the quality of nuclear medicine services in the RCA region.
- The programme has trained more than 800 nuclear medicine professionals from 35 countries worldwide (including ARCAL, AFRA, Europe) and has been fully translated to Spanish, and partially to Chinese and Korean.



Oncology Distance Learning

- The programme was developed to increase the number of radiation oncologists in the region, reduce time taken for training, and reduce overseas travel for formal specialist training.
- Consisting of 80 specialist modules, it has been used worldwide with over 2,500 downloads.