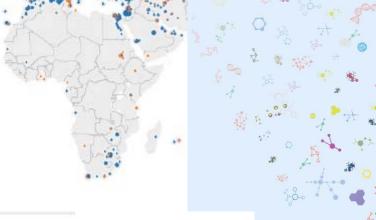
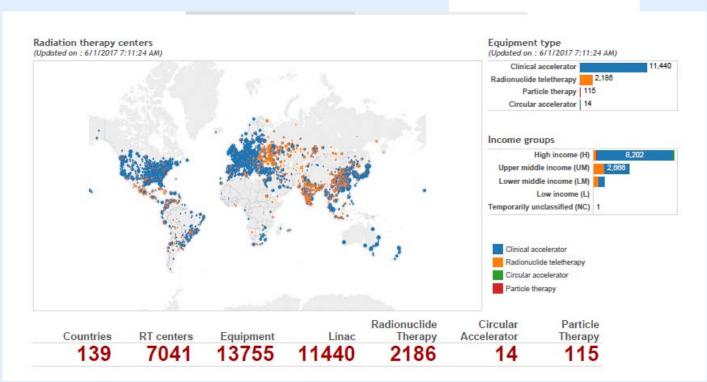


Worldwide status





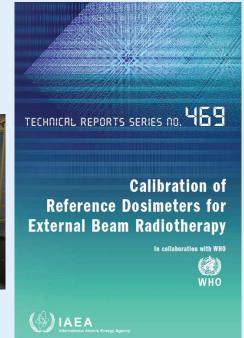
IAEA/WHO SSDL NETWORK

 Calibration of reference dosimetry equipment

International standardisation of dose

measurements





IAEA/WHO TLD

- Audit of reference dosimetry a testament to the co-ordinated dissemination and implementation of IAEA TRS No. 398, a dosimetry Code of Practice
- Remote, postal service
- The system is being upgraded
- Expansion to other modalities



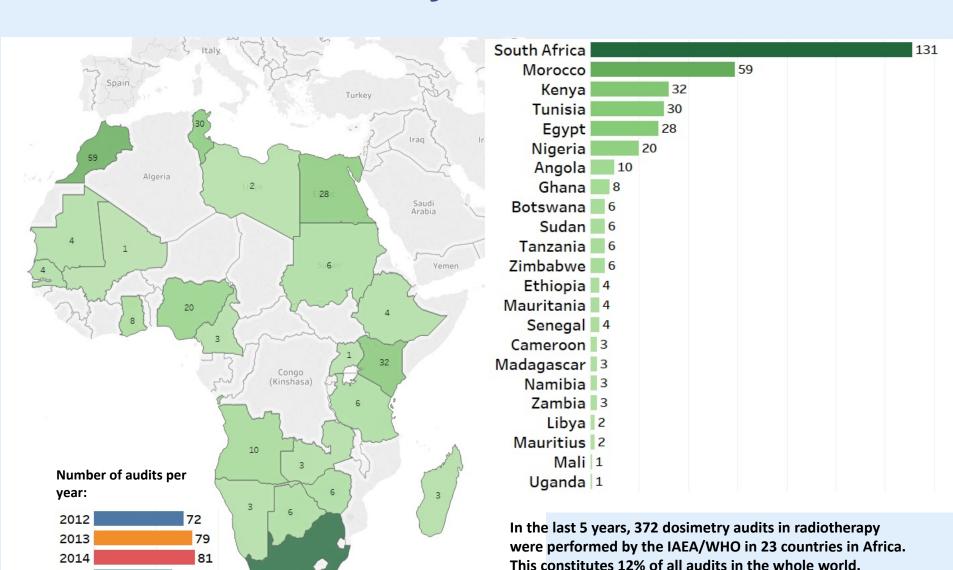
TECHNICAL REPORTS SERIES No. 398

Absorbed Dose Determination in
External Beam Radiotherapy
An International Code of Practice for Dosimetry
Based on Standards of Absorbed Dose to Water

Sponsored by the IAEA, WHO, PAHO and ESTRO

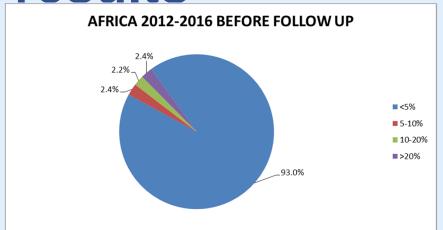


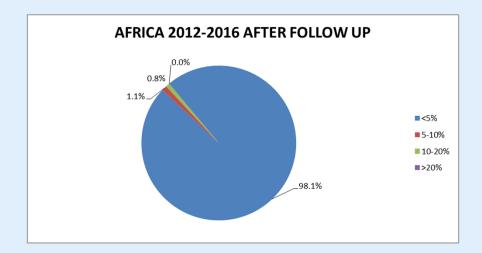
IAEA/WHO dosimetry audits in Africa

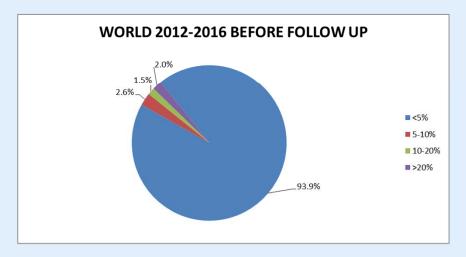


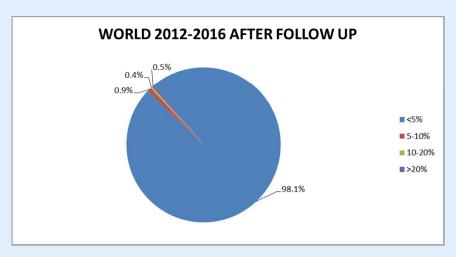
IAEA/WHO dosimetry audit

results





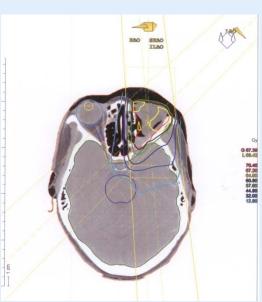




The results in Africa are similar to those in the whole world: approx. 2% of poor results remain unexplained due to lack of response to IAEA efforts.

Audits for quality improvement

- National initiatives using the Technical Cooperation mechanism: ALG, GHA and SAF
- Regional projects (multidisciplinary approach)
- Participation in IAEA Contract Research Projects focussing on quality assurance and audits:
 - Treatment planning systems
 - Small field dosimetry
 - Accuracy requirements



QUATRO in Africa

- Anglophone and Francophone regional workshops on training auditors
- South Africa: 4 centers audited in 2004
- Zambia 2009
- South Africa 2015
- Morocco 2015 and 2016
- Mauritania 2017
- Serves as an internal audit guide



Opportunities

- Good Level 1 auditing culture achieved in Medical Physics
- Regional projects encourage QUATRO activities, including training of auditors
- National and sub-regional internal/external auditing can grow with medical physics and dosimetry metrology capacity. There are new TC projects related to auditing.
- IAEA documentation on good practice including education, transitioning and transfer of technology.

