

REGIONAL APPROACH TO WORKFORCE SHORTAGES IN CANCER PREVENTION AND CONTROL

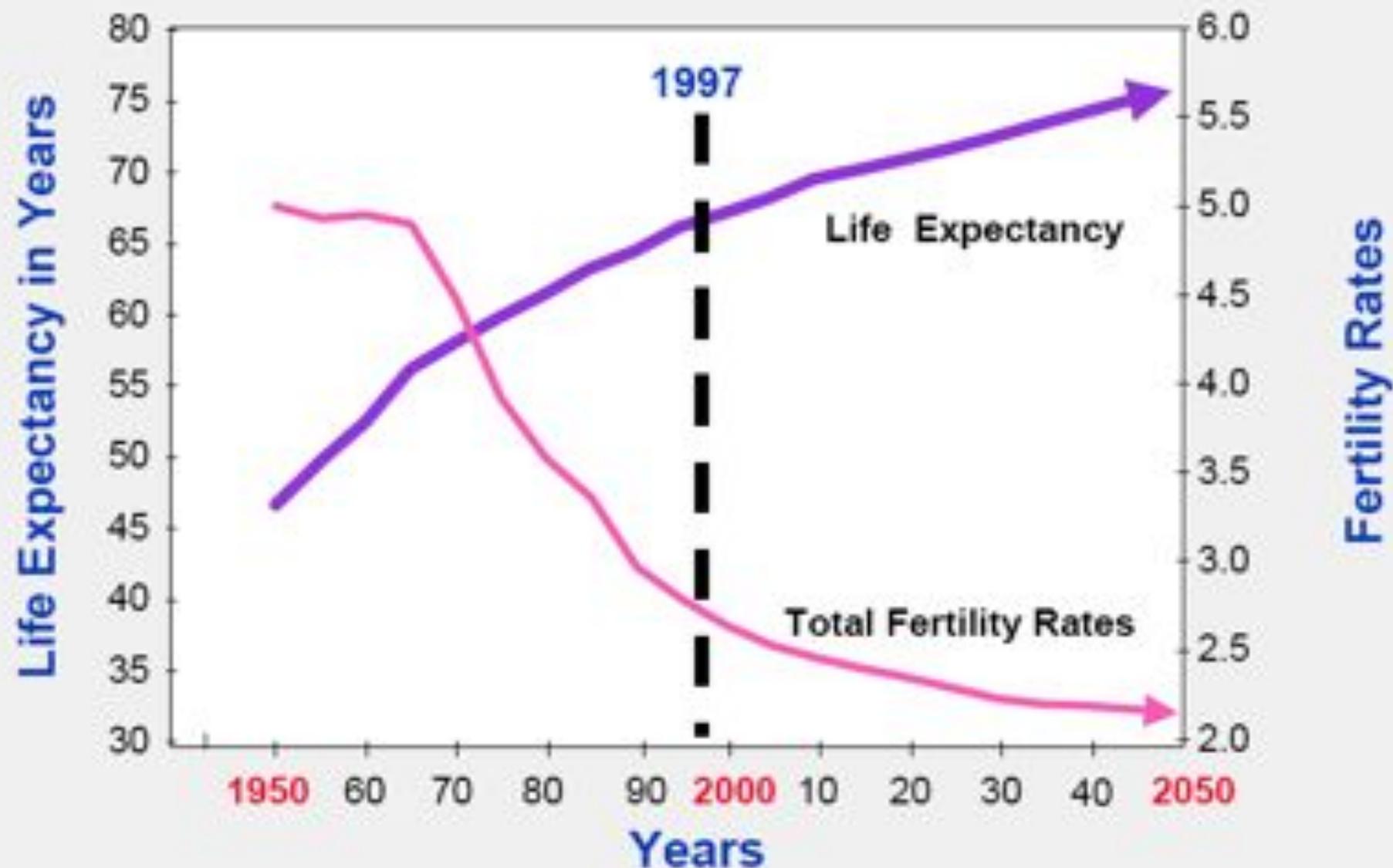


Barry Kistnasamy, South Africa

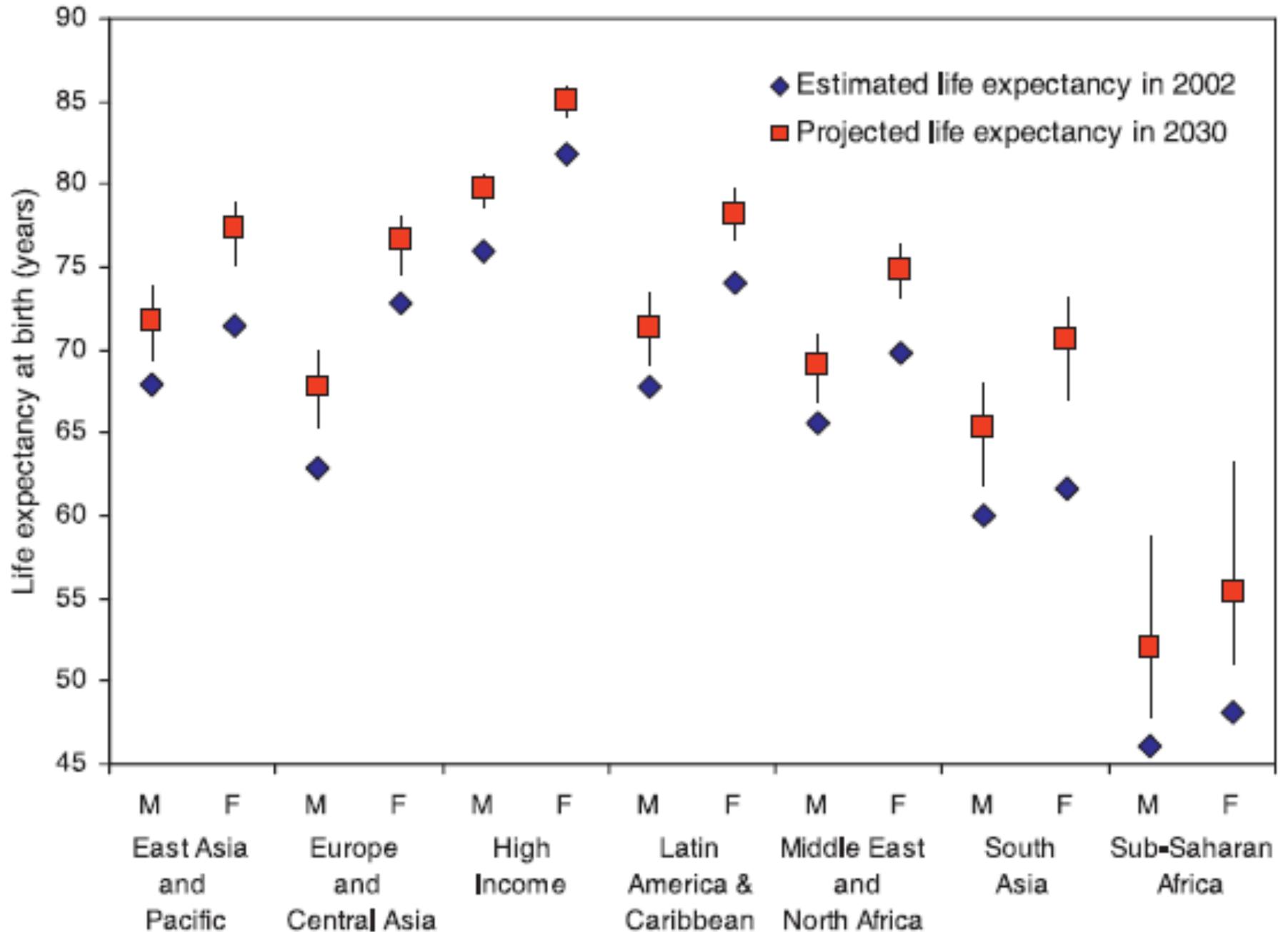
Overview

- Macro-perspectives
- Human Resource Needs & Challenges in Africa
- Capacity building initiatives

A Century of Unparalleled Improvement



Life Expectancy 2002, 2030 (WHO, GBD)



Africa's Quadruple Burden of Disease

- Threats to Health

- Natural disasters
- Non-natural - Interpersonal violence, accidents

- Infectious Diseases

- Malaria, TB, HIV, Diarrhoea

- Emerging Epidemics

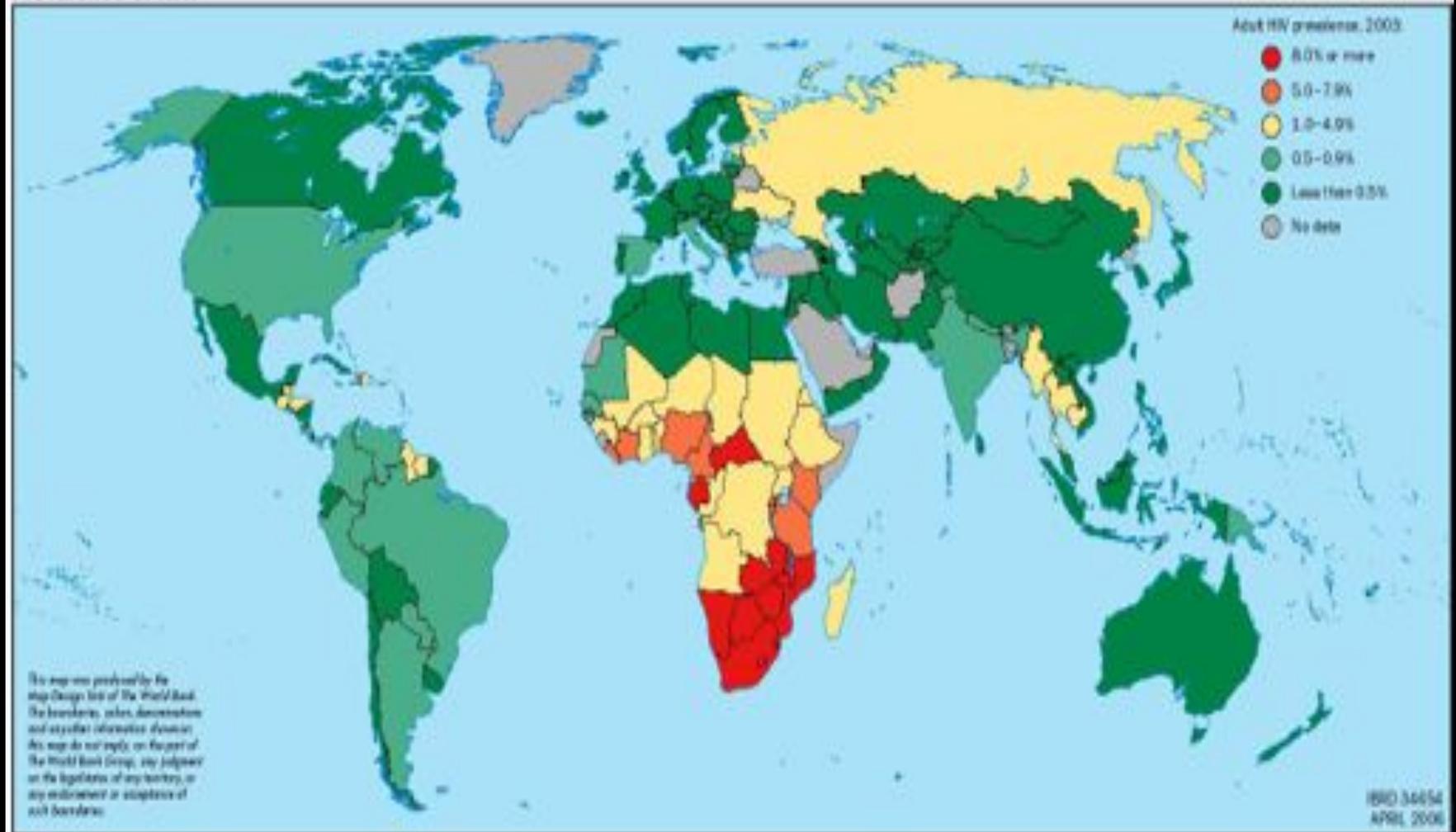
- Drug resistance, Avian flu. Lifestyle

- Epidemiological Transition

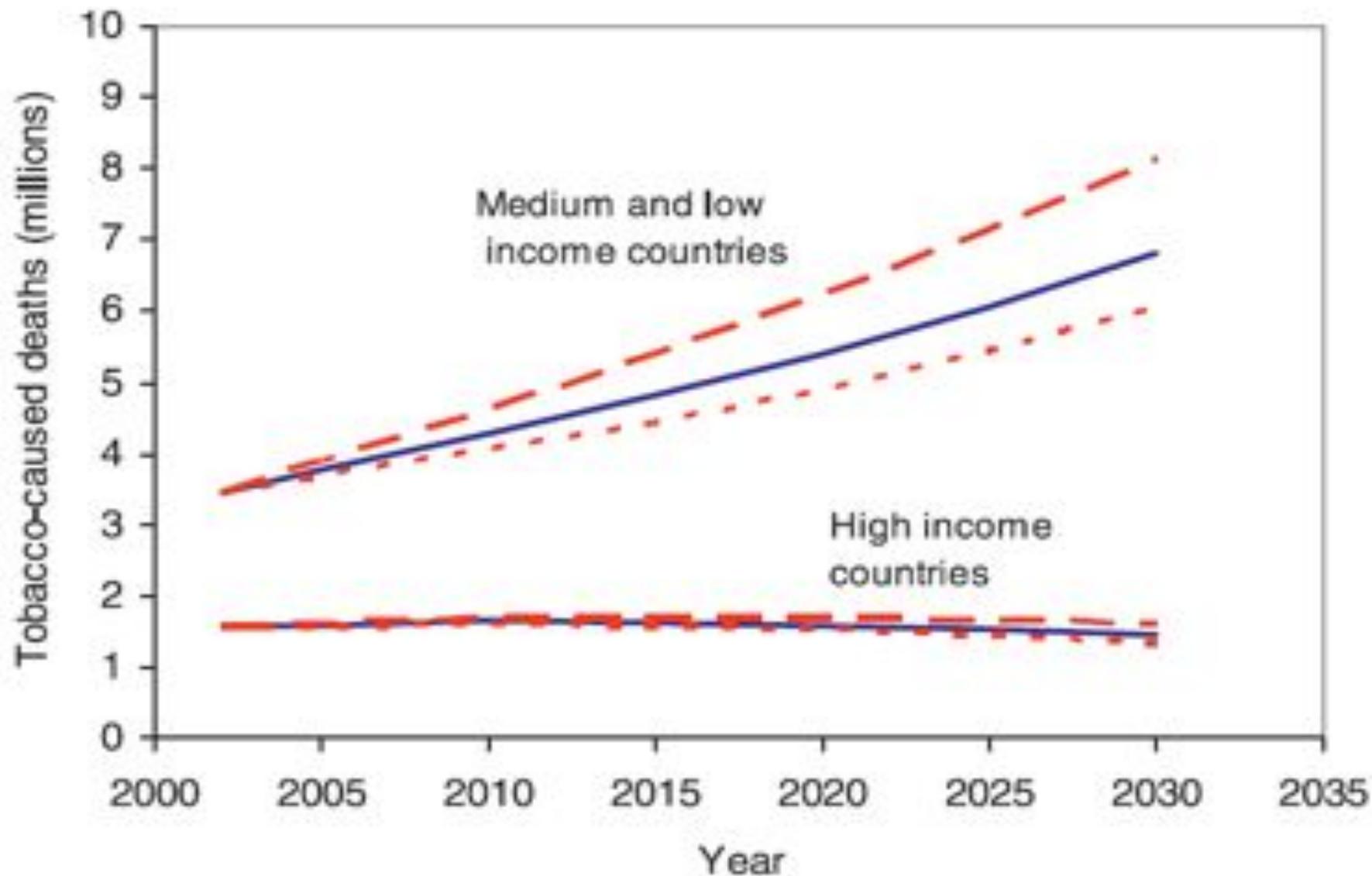
- Chronic diseases & injuries
- Occupational & environmental ill-health
- Mental health
- Cancers

HIV

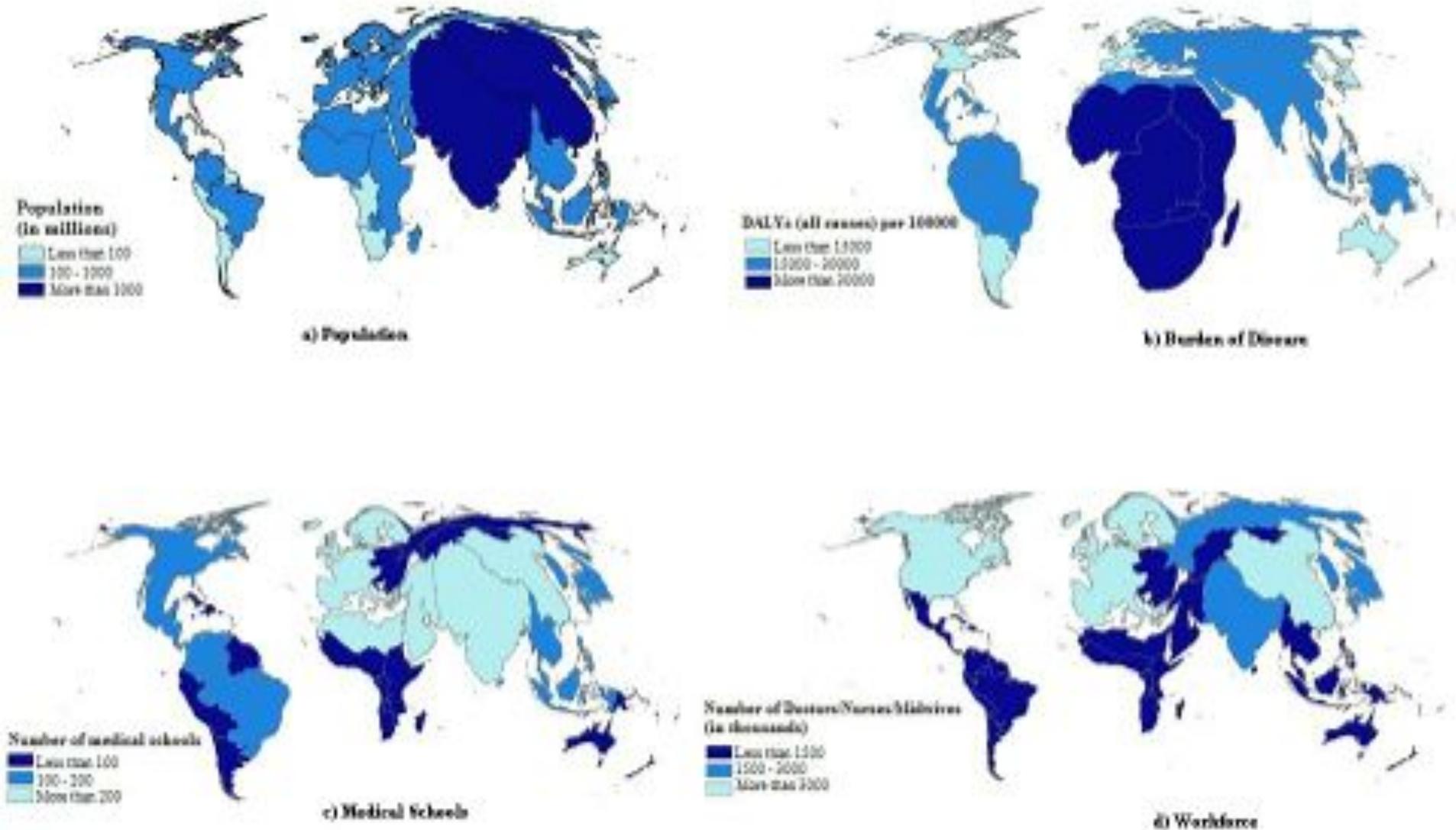
Prevalence of HIV.



Tobacco Related Deaths

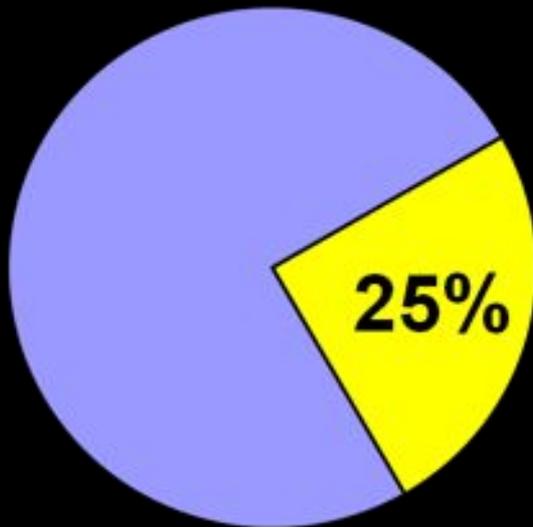


Resized World Maps (Lancet. 2011)

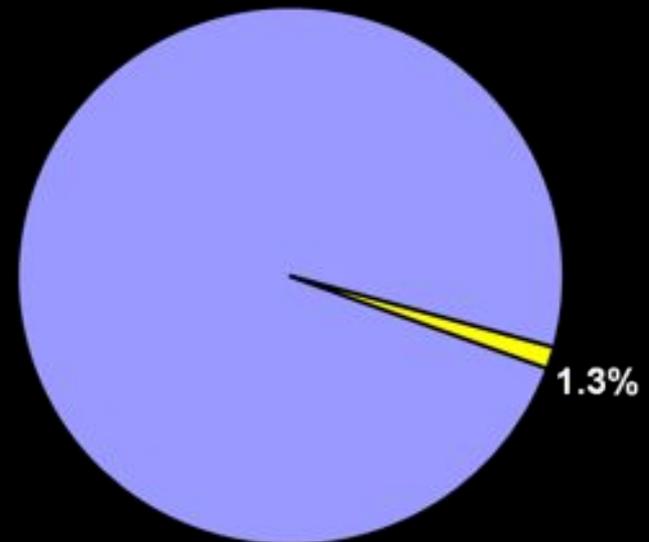


More Illness and Fewer Health Workers in Africa

Africa's Burden of the World's Diseases



Africa's Share of the World's Health Workforce



WHO: Human Resources for Health, 2006

Little or Non-existent Cancer Services

- **No access**

- Cancer screening & early diagnosis
- Treatment
- Palliative care and support

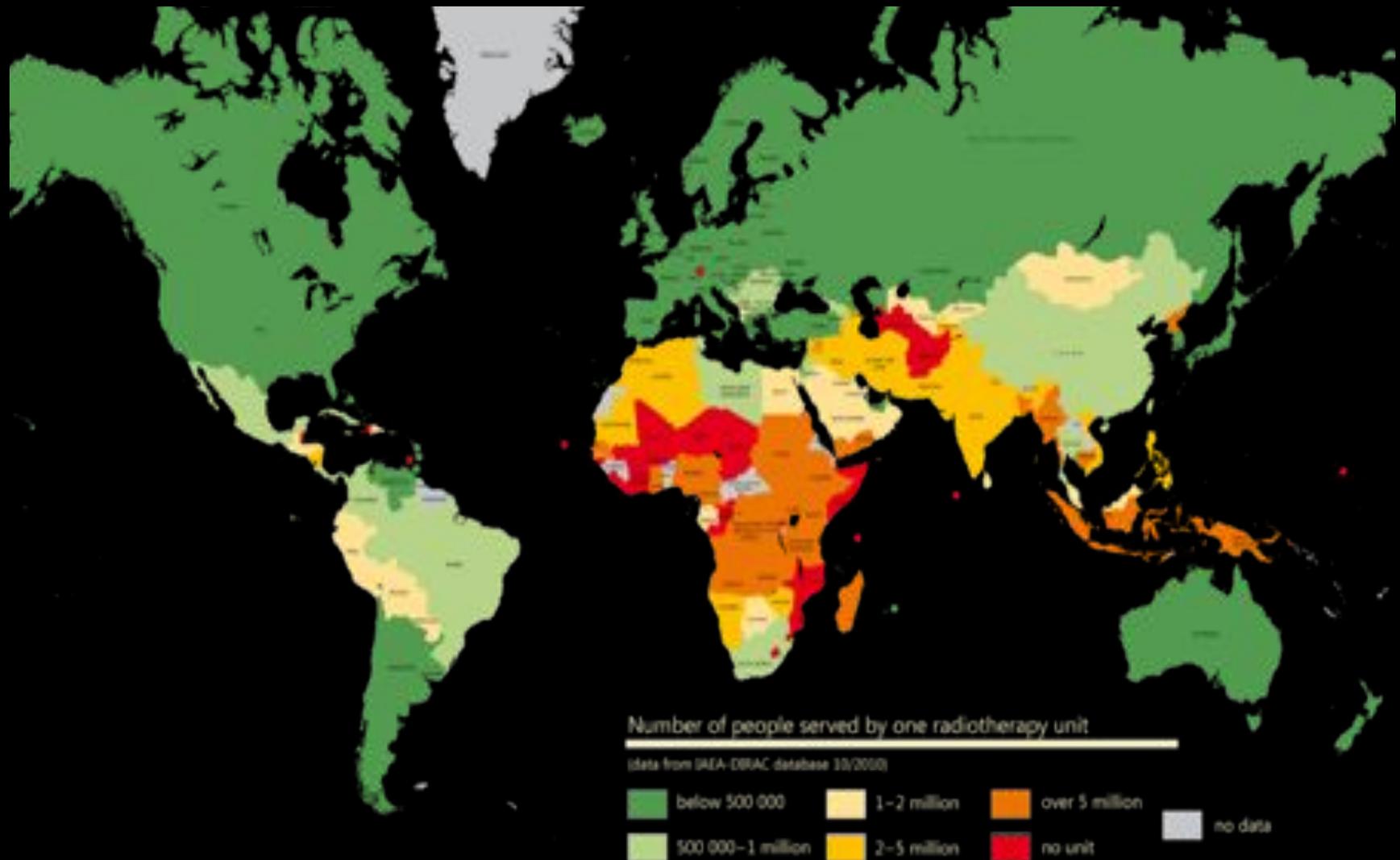
- **Poor infrastructure**

- Health facilities
- Equipment
- Drugs / Cancer interventions

- **Human resources**

- Inadequate or non-existent
- Recruitment, retention & professional development
- High costs of training

Inequity in Access to Radiotherapy



Cancer Health Professionals / Infrastructure in Africa

- 4 oncologists and 5 oncology nurses in Zambia
- 1 oncologist / 60m in Ethiopia
- Radiotherapy services in 23 of 53 countries (< 5% of population reached)
- < 2% of radiotherapy centres globally

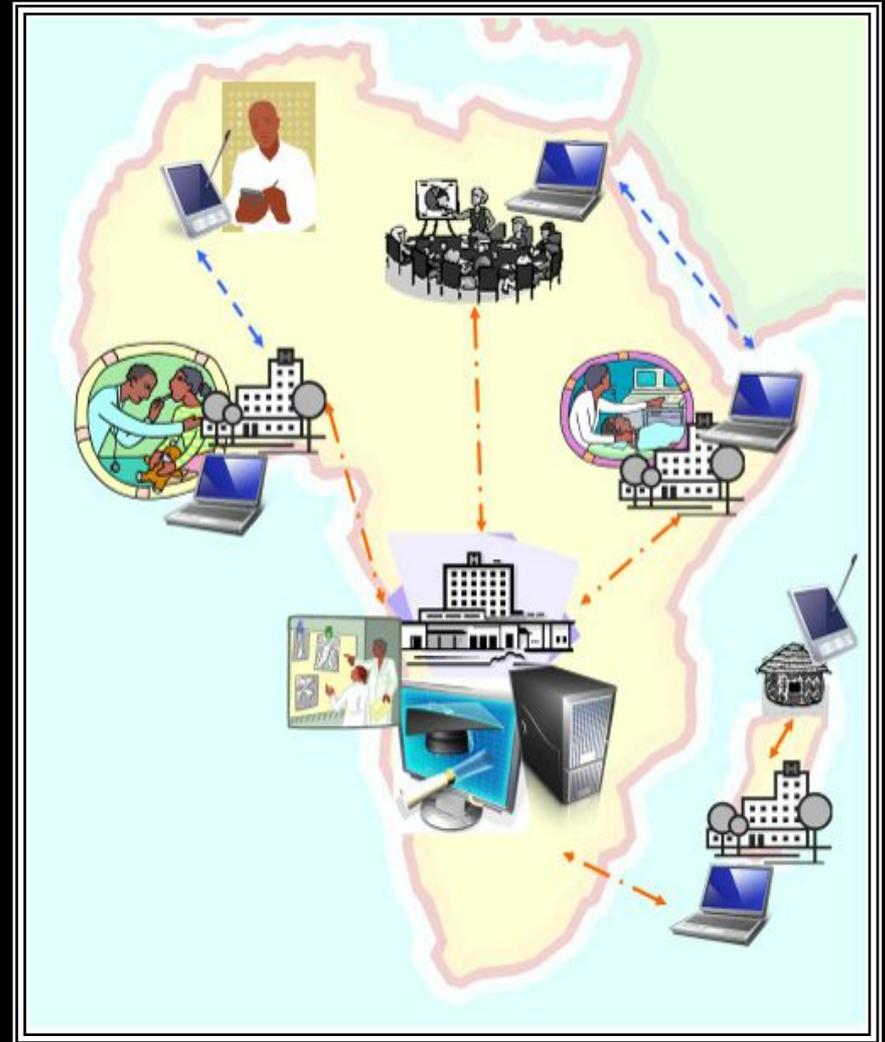
IT'S NEVER TOO LATE!



VUCCnet Project Vision

Fostering African knowledge development in order to improve cancer prevention & control

- ✓ Knowledge sharing
- ✓ Capacity building
- ✓ Low-cost, high-efficiency channels (Internet)
- ✓ Train the trainers
- ✓ Avoid brain drain



VUCCnet Approach

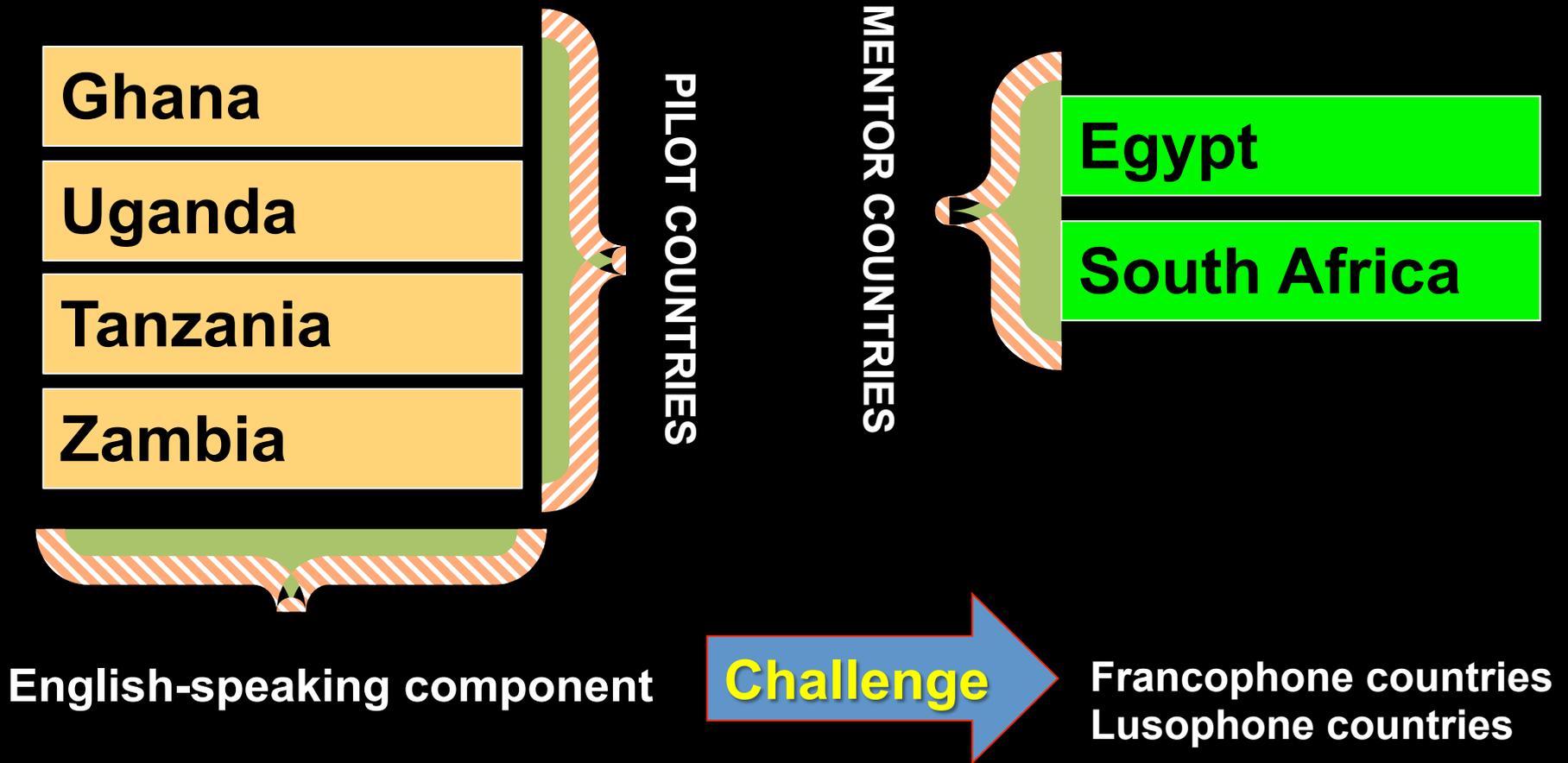
- Build on existing base
- South – South collaboration
 - ICT infrastructure
 - Hub & spoke
- Formally accredited courses
- Local & regional ownership
- Sustainability



VUCCnet Approach

- Regional Cancer Training Network
- Consortia of Higher Education Institutions + Cancer Control Service Providers
 - develop curricula and materials
 - mentoring and support
- Regionally accepted training programme
 - accessible at lower cost
 - blended learning (distance, contact, online)
 - experiential training
 - certification

VUCCnet Pilot Phase 1



Responding to the need - VUCCnet

- Output: 250 oncologists, 8000 nurses, 2800 CHWs over next 10 years

	In-Service	Pre-Service
Prevention	1. Community Health Workers (Cancer Skills Package)	
Early Detection	2. Screening Workers (Cervical Cancer: VIA)	
Diagnosis & Treatment	3. Pathology Technicians 4. Surgeons (Surgical Oncology Modules)	5. Radiation Therapy Technicians 6. Clinical Oncologists 7. Oncology Nurses 8. Pathologists
Palliative Care	9. Palliative Care practitioners (Short Courses)	
Surveillance	10. Data Collectors	

Progress to date

- Developed governance framework
- Held policy harmonisation workshop
- Piloted online cervical cancer training
- List of activities and budget

Acknowledgements

- UICC
- IAEA
- Partners within VUCCnet
- Partners across the IAEA PACT programme

