TELE-AUDIOLOGY IN AFRICA: REACHING THE UNDERSERVED

COLLABORATION:



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WHY TELE-AUDIOLOGY IN AFRICA?

1. BURDEN OF HEARING LOSS

2. CURRENT HEARING HEALTHCARE REACH

4. OPPORTUNITIES WITH TELEHEALTH

3. CHALLENGES TO SERVICE PROVISION



1. BURDEN OF HL IN AFRICA

- Prevalence in Africa (SSA) estimates:
 - **❖** WHO estimate:
 - o Children (<15yoa) ≥31 dBHL: 15.3 mil
 - o Adults (≥15yoa) **≥41** dBHL: **20.9** mil



o Adults & children ≥35 dBHL: 65.6 mil



- Daily rate: 500 (correcting for < mortality: 455)</p>
- Burden overwhelming (numbers + economic burden)
- A growing problem (aging population)





2. REACH OF HEARING HEALTH

- Less than 1 in 40 people receive HA's in developing countries
 (2.5% penetration)
- Africa 53 countries. Two offer professional education in Audiology (1 in SSA)
- Mismatch in need and supply and unequal distribution globally/regional
- Ratio of ENT's/audiologists to people:

Developing World1:0.5 – 6.25 million

Developed World 1:20 000

Africa1:1 million





4. OPPORTUNITIES WITH TELE...

Services penetrating remote areas (internet growth)

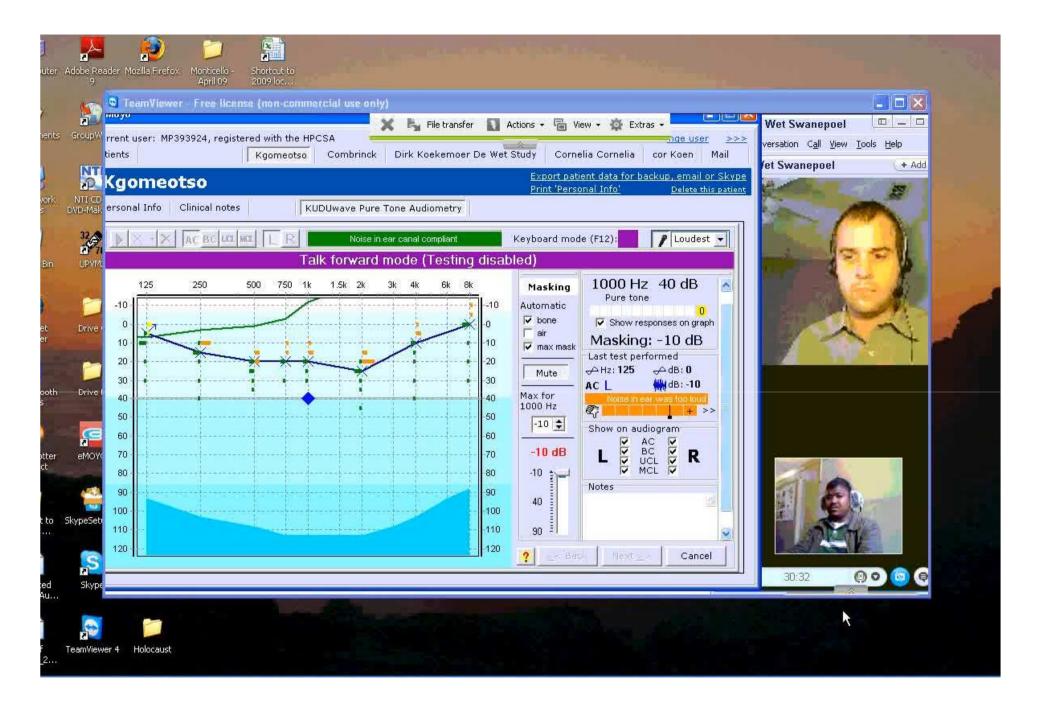
600 100% 500 80% 400 Subscribers (Mn) Mobile Penetration 300 200 20% 100 2002 2003 2004 2005 2006 2007 2008 2011 2009 2010 E E Subscribers — Penetration

Figure 1: Africa - Mobile Subscribers and Penetration (2002-2012)

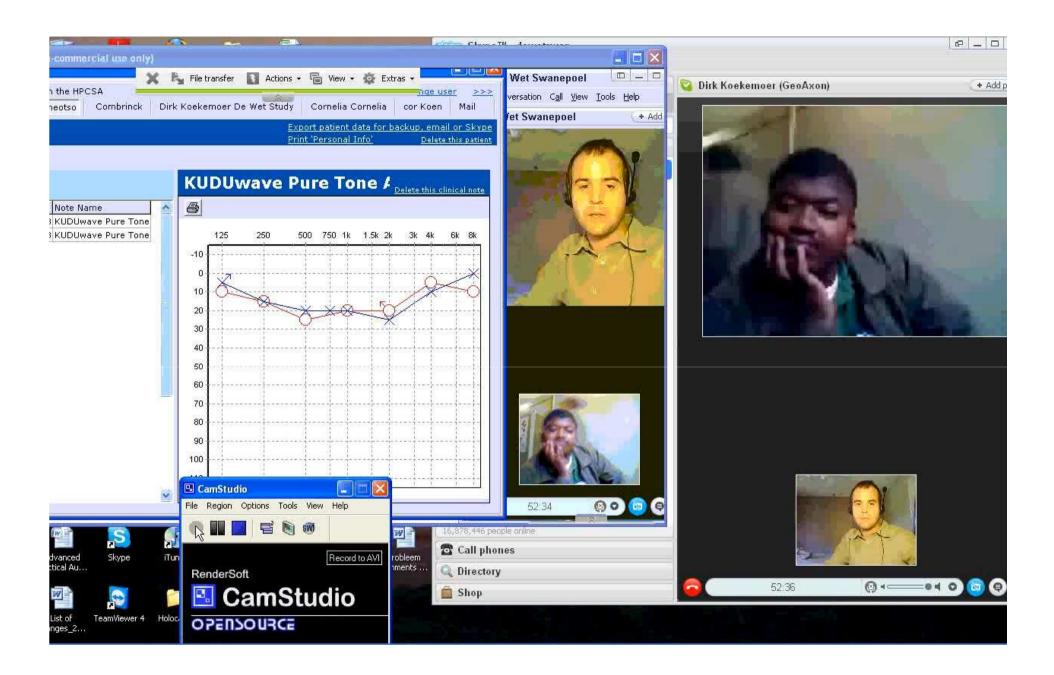
4. OPPORTUNITIES WITH TELE...

- Services penetrating remote areas (internet growth)
- Distances can be bridged
- Distribution of professionals locally/globally
- Asynchronous protocols automation of basic procedures
- Integrated data management











DEMONSTRATION

