

E-health paediatrics and Child Health experience - Kenya

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MAIN ENTRANCE - CASUALTY

- ▲ MAIN ENTRANCE
- ▲ CASUALTY
- ▶ ADMINISTRATION
- ▶ TRAINING CENTRE
- ▶ CHILD DEVELOPMENT
- ▶ PERSONAL PARKING
- ▶ ENT

Outline

- Introduction
- On-line EMR
- Online CME
- On-line emergency consult
- Challenges
- summary

On-line EMR &HMIS experience

- 8 peripheral sites attending only to children
- Centralised database
- Standard treatment guidelines
- Online prescribing from central formulary
- ICD 10 coding of all diagnosis
- **Supervision credentials for senior clinician**

On-line CME

- Repository of health courses in paediatrics and child health
- local content with emphasis on local conditions
- Post course testing and award of CPD points
- Synchronise with Medical Practitioners and Dentists Board register

On-line consult

- Teleconsult by specialist for patient at remote site
- On-line log in for uncommon or unusual paediatric cases in specialist clinic
- On-line consult for emergency cases

RESUSCITATION GUIDE

Quality Healthcare For Children

4 - 5 KG

5.5 - 12 KG

12 - 14 KG

15 - 18 KG

20 - 22 KG

25 - 30 KG

30 - 34 KG

On-line Emergency Consult

Remote site

- Several remote sites connected – available to all children including critically ill.
- Basic emergency care training for lower level staff
- Emergency equipment and medications provided

Centre

- 24 hour back up by emergency care doctor at centre
- Real-time, Step-by-step guide on emergency treatment from centre

Challenges

- Limited electronic diagnostic devices suitable for telemedicine
 - Microscopes
- Large Capital expense
- Few centres to provide 24 hour back-up

summary

- Children are a vulnerable group with 84/1000 children born dying before their 5th birthday due to simple, preventable or easily treatable diseases
- Few specialists available to cater for the more complex conditions
- Telemedicine can help solve some of the challenges of caring for this age group
 - Training
 - Specialist clinic consultation
 - Emergency care consultation
 - Incentive for health workers to remain working in hard to reach areas