

Critical role of non-governmental organisations in advancing laboratory medicine and public health in Africa

a journey

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Amref Health Africa

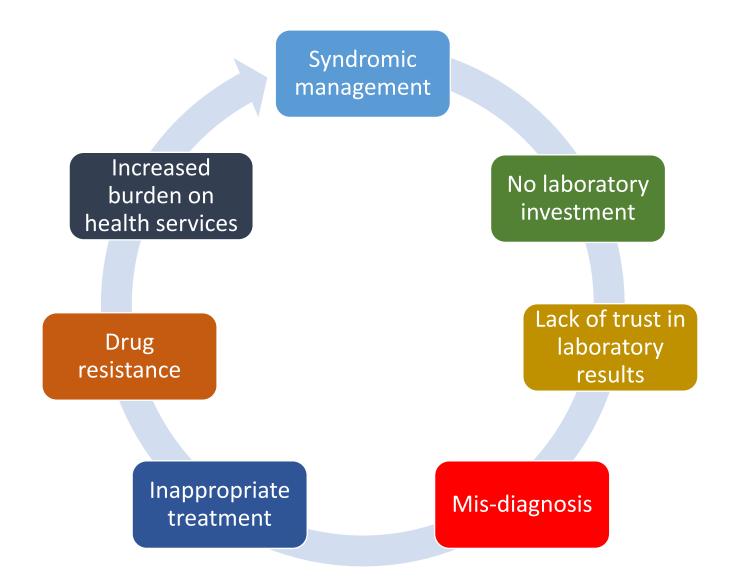


- African NGO started in 1957
- Working in over 30 countries to improve health status
- Working with MOHs & partners to strengthen health systems & train health/community workers to respond to the continent's most critical health challenges:
 - Maternal & child health
 - Infectious diseases
 - Water and sanitation
 - Health systems strengthening
 - Laboratory services
- Laboratory Programme started in 1985



Laboratory neglect: the 1980s – 90s





Amref's Laboratory Programme in the 1980s – Color focus on malaria & anaemia



- Recognition of chloroquine resistance in East Africa
- Anti-malarial drug efficacy studies
- Malaria prevention studies: bednets vs preventive drugs
- Treating malaria and anaemia: use of folic acid with antifolate drugs
- Comparing methods of malaria diagnosis
- Evaluating methods for haemoglobin measurement

Working hand in hand with the East African Ministries of Health – the 1990s



- Laboratory system evaluation for MOH Mainland Tanzania (1989)
- First National Health Laboratory Policies (drafts)
 - Tanzania (1991)
 - Uganda (1995)
 - Kenya (1996)
- Essential Laboratory Programme Pilot Study for Primary Level Laboratories in Kenya (1992-1994)
 - Laboratory testing improves diagnosis and treatment outcomes in primary health care facilities. Afr J Lab Med. 2012; 1 (1). http://dx.doi.org/10.4102/ ajlm.v1i1.8

Building a regional, affordable, integrated Proficiency Testing (PT) scheme targeting primary level tests



Total **649** facilities (Survey 18 of 2016)

2 surveys/year @ \$200

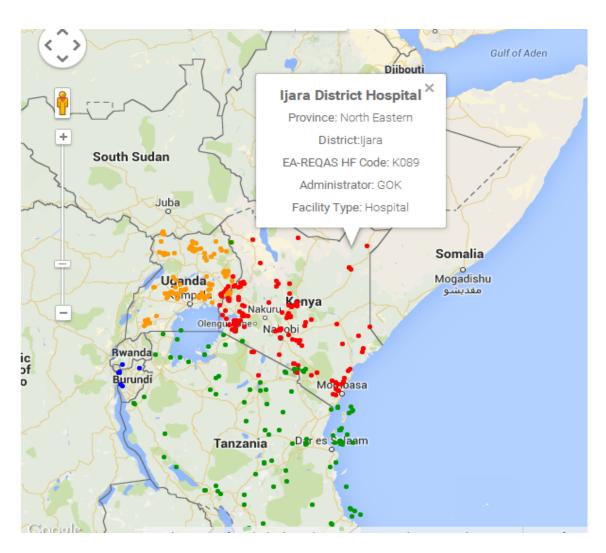
154 - Kenya

404 - Tanzania

68 - Uganda

13 - Zanzibar

20 - Burundi



Building capacity & restoring confidence



- Developing model SOPs
- Good Diagnostic Practices training
 - Joint training for clinicians & laboratory staff
- Refresher training courses for laboratory staff
 - Short & long courses
- Writing manuals
 - Practical Laboratory Manual
 - Clinicians' Guide to Quality Outpatient Diagnosis



Jane Carter Orgenes Lema Global Health Security: disease surveillance &

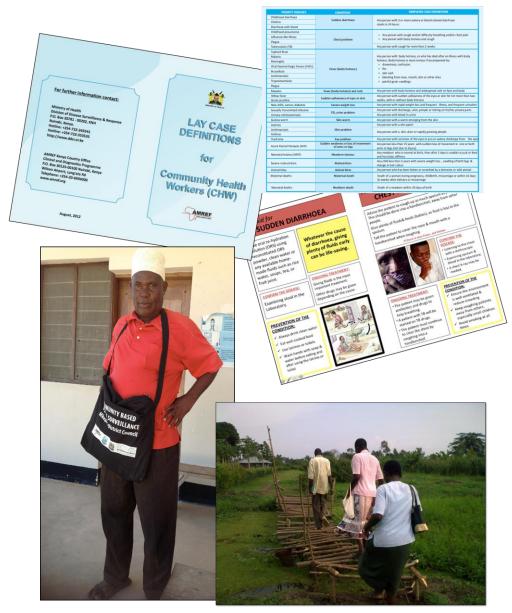
outbreak response

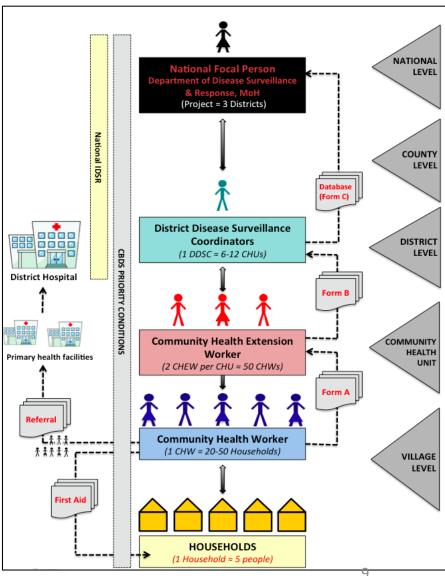
- Reference laboratory testing:
 - Diarrhoeal disease: cholera, Shigella
 - Meningitis, malaria
 - Leishmaniasis
- Quality checking:
 - Slide rechecking for TB, malaria, trypanosomiasis
- Laboratory-based Disease Surveillance Training
 - Developed with the East African Community
- Writing manuals
 - Guidelines for Specimen Collection
- Using the "portable laboratory"



Global Health Security: developing the Community-Based Disease Surveillance model







CDC funding: QMS, SLMTA & accreditation – the 2000s



Tanzania

- Enhancement of Public, Private and Faith-Based Health Laboratory Capacity to Support HIV/AIDS Prevention Care and Treatment: 2006 2012; 2012-2018
- Global Health Security Partner Engagement: Expanding Efforts & Strategies to Protect and Improve Public Health Globally: 2015 – 2020

Uganda

 Strengthening Laboratory Services at Health Centre IV and above in the Republic of Uganda: 2004 – 2010

Kenya

- Strengthening Public Health Laboratory Systems in Kenya: 2009 2014
- Sustainable Laboratory Quality Systems in the Republic of Kenya: 2015 2020

South Sudan

Strengthening Laboratory and Blood Transfusion Services in South Sudan: 2015 –
 2020

What next? Is business the business of governments?



Role of governments:

- Develop policy & strategic plans, annual plans & budgets
- Ensure registration & licensing
- Legislate on standards for equipment, medical devices, IVDs
- Coordination, monitoring and evaluation
- Fund and hold implementing agencies to task!



The emerging role of NGOs



NGOs should be contracted to:

- Implement government plans
- Develop & test models for service delivery, quality & self-sustainability
- Manage public health facilities & laboratories, including staff
- Use performance-based management systems and show results
- Show financial accountability



Access, Quality,
Protection from financial risk



Thank you!

Amref Health Africa www.amref.org