



Interventions and innovations to improve antibiotic use:

Stories from EPN

Global Forum on Bacterial Infections





EPN- A network aimed at PSS



□ EPN is a worldwide network with members from across Africa and beyond including:

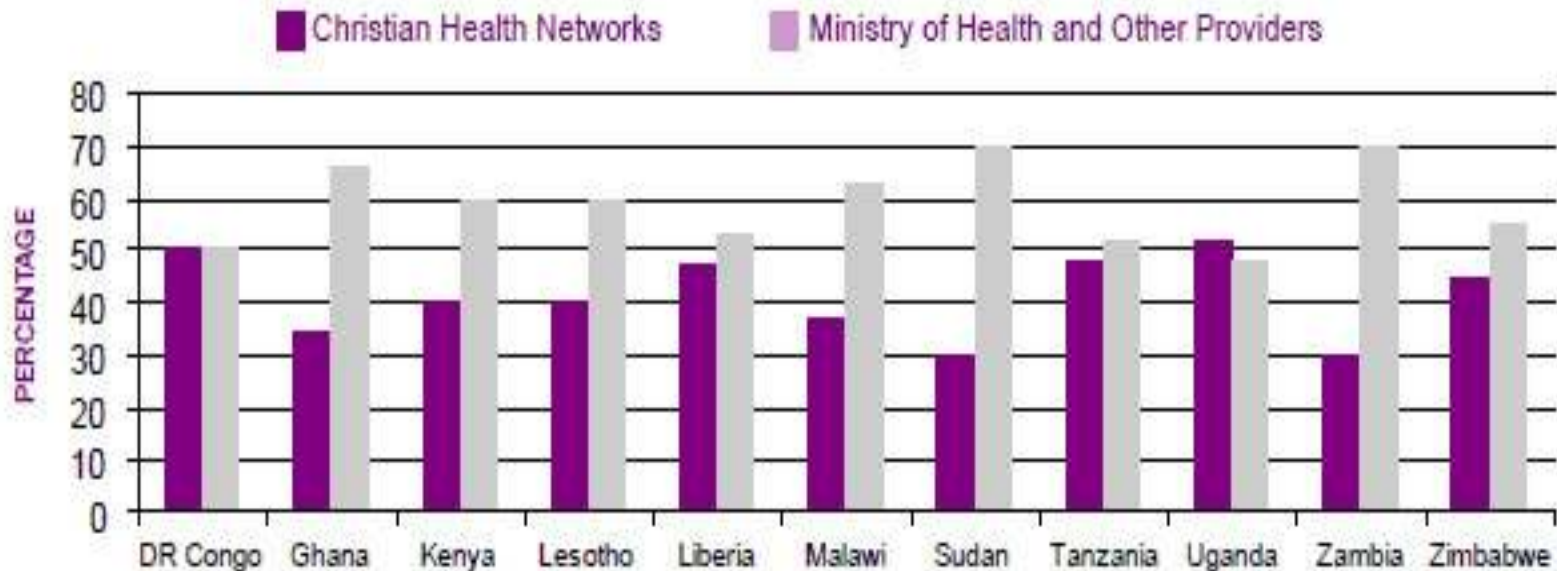
- India
- Australia
- the United States
- Europe



Working mainly with church health systems

- Up to 40% of health services in the rural areas of most African countries are provided by church health facilities. This contribution is critical for the attainment of the MDGs on health.

Contribution of Christian Health Networks in Selected African Countries



Access to and rational use of medicines

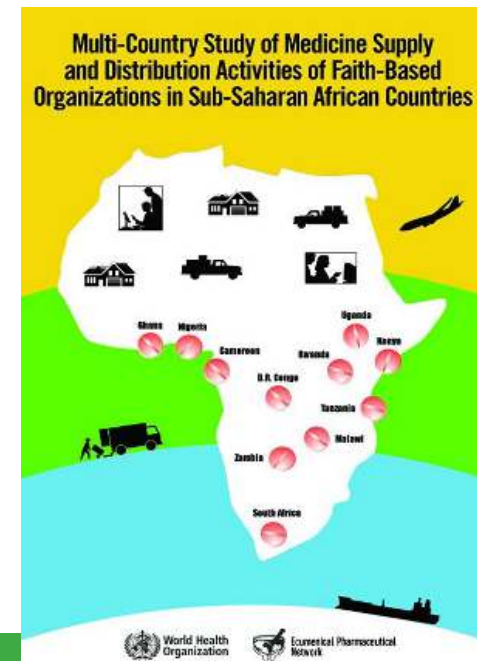
□ The objectives of this programme are to



- facilitate increased access to affordable quality medicines and
- ensure rational use of medicines

□ Address availability

- Promoting intra Africa trade in medicines supply from Kenya to Malawi, Chad and Zimbabwe
.....has also addressed quality and cost
- Advocating for the use of the in country pharmaceutical suppliers
- Campaign against informal sources and channels



Strategies to improve use of antibiotics

- Improve pricing
 - Pooled procurement initiatives
 - Share price information
- Provide information and promote its use to improve practice
 - Collect data on local resistance patterns



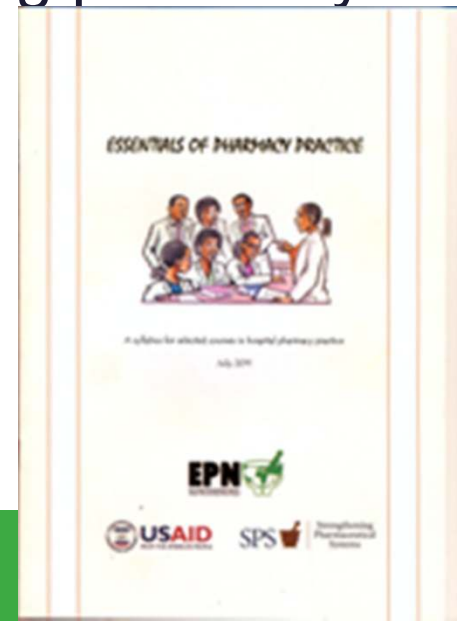
□ Building quality systems

- Pooled QC testing
- Sharing information – manufacturers, regulators....

Medicine listed	n	P/F	Manufacturer
Ciprofloxacin	10	P = all	JB Chemicals, Cosmos, Kopran, Phat kin - DRC; BDH, Micro labs, Cipla – India, Pharma quick – Benin
Amoxicillin	9	P= all	Addis Pharma - Ethiopia, SAI PH – Tunisia, Zenufa Shellys Tanzania, Caisa Pharma - DRC, Medivet – Kenya,
Doxycycline	9	P=8, F=1	Flamingo Meditab Rayat Pharmachem – India; others
Phenoxyethyl Penicillin (Pen V)	8	P=7, F= 1	M & G - Ghana, Shellys – Tanzania, Elys – Kenya, Regal – Kenya, North China group – China, Sparsh Biotech – India
SMX/TMP	11	P = 8, F = 3	Microlabs – India, Elys – Kenya, ZT Pharma – China, Caisa Pharma – DRC, Regal – Kenya, Medopharm – India Astra life care – India, Cipla – India, Ethiopia Pharma - Ethiopia

Strategies to improve use of antibiotics

- Investing in Human Resources
- Courses for health professionals
 - Rational management of antibiotics has been developed and run in Uganda
 - Essentials of pharmacy practice is targeting pharmacy assistants in hospital
- Training methodology
 - Simple clear messages
 - Interactive & participatory learning





Surveys on practices influence prescribing of antibiotics

- 63.6% of 22 hospitals in a study in Kenya reported having a functional medicines and therapeutics committee (MTC)
- Only 20% of the hospitals reported having certain antibiotics whose prescribing was limited to selected groups of prescribers
- 42.9% of clinicians felt that locally developed treatment guidelines would be more useful than national guidelines



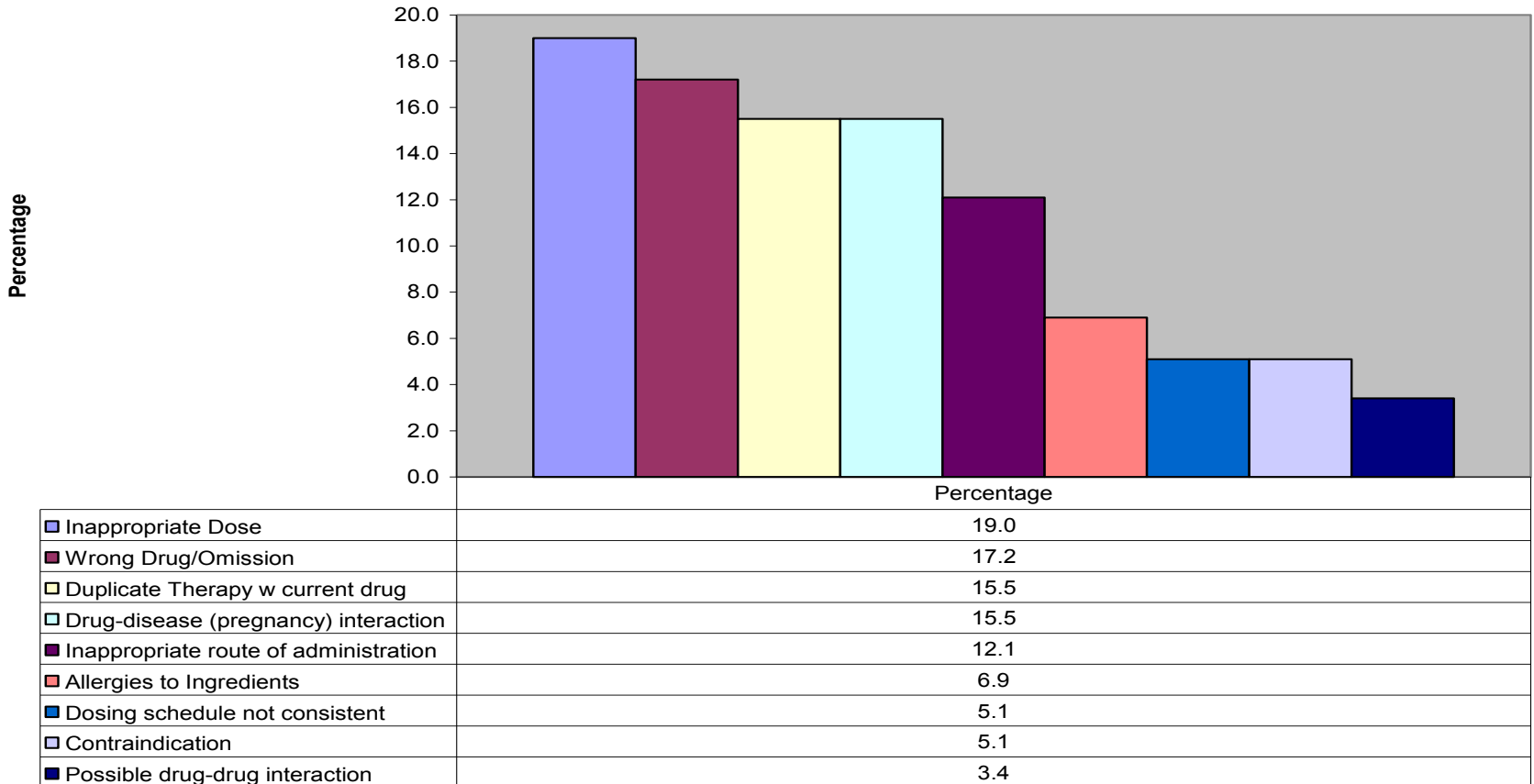
Investigating antibiotic use (2)

- Retrospective data of culture and sensitivity of two laboratories of the CBC Health Board
 - Banso Baptist Hospital
 - Mbingo Baptist Hospital
- Compilations of pharmacy Interventions at point of dispensing



Investigating antibiotic use (3)

Antibiotic-related interventions (59% of all Interventions)

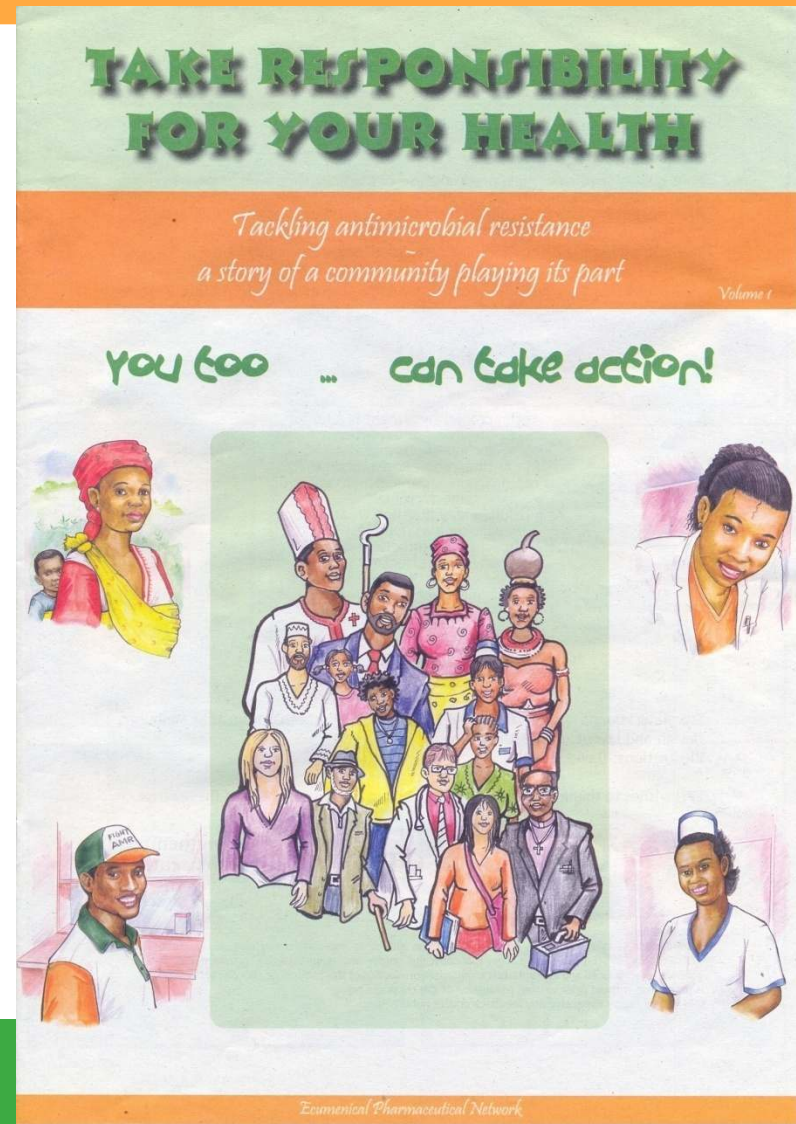




Public education on antibiotic use

Addressing:

- Incomplete doses with antibiotics
- Dangers of poor quality medicines
- Importance of laboratory testing
- Buying medicines from licensed outlets



Public education on antibiotic use

Tailored to the needs of the community



KUTETEZA MPHAMVU ZA KAGWIRIDWE NTCHITO KA MANKWALA OLIMBANA NDI TIZILOMBO TA BACTERIA (ANTIBIOTICS)

ZOYENERA KUCHITA KUTI MUTETEZE MPHAMVU ZA KAGWIRIDWE NTCHITO KA MANKWALA OLIMBANA NDI TIZILOMBO TA BACTERIA (ANTIBIOTICS)

LUTHENGA WOFUNIKA KUTI MUDZIWE

itsa ntchito kopambana muyeso kusagwiritsa bwino ntchito mankhwala ndi tizilombo ta bacteria(antibiotics) ndi zomwe zimapangitsa mankhwalawa pe mphamvu yake.

kuti mankhwala olimbana ndi tizilombo ta bacteria(antibiotics) atsopano ndi amene ali kwambiri kuchiza matenda anu nthawi

gedwe zopangira mankhwala olimbana tizilombo ta bacteria(antibiotics) zibwezeretse tikazigwiritsa ntchito, tiyenera kuziteteza.

sa bwino ntchito mankhwala Kumathandiza mankhwala agwire bwino ntchito nthupi nthawi yaitali.

ala angathe kuwononga umoyo wanu kwiritsidwa bwino ntchito.


wiritsa ntchito bwino mankhwala apetsa njira zomwe mankhwala amachizira a.

o umathandiza kuchepetsa kufala kwa o toyambitsa matenda ta bacteria.

- Gwiritsani bwino tizilombota bacter
- Onetsetsani mukumba mankhwala bacteria(antibiotics) mankhwala.
- Pewani kumwala ndi tizilombo kuliangizidwa ndi
- Musagawire a tizilombo ta azamoyo akulan
- Musanyenze ms bacteria(antibiotic
- Onetsetsani ukhondo nthawiz
- Sambani musanadye ndi mukamatuluk
- Pewani kugwiritsa tizilombo ta bacter
- Gulani mankhwala komwe kuli anu muwone kapiti mankhwalawo ad



USE ANTIMICROBIALS APPROPRIATELY



SAVE THEM FOR FUTURE

EPN

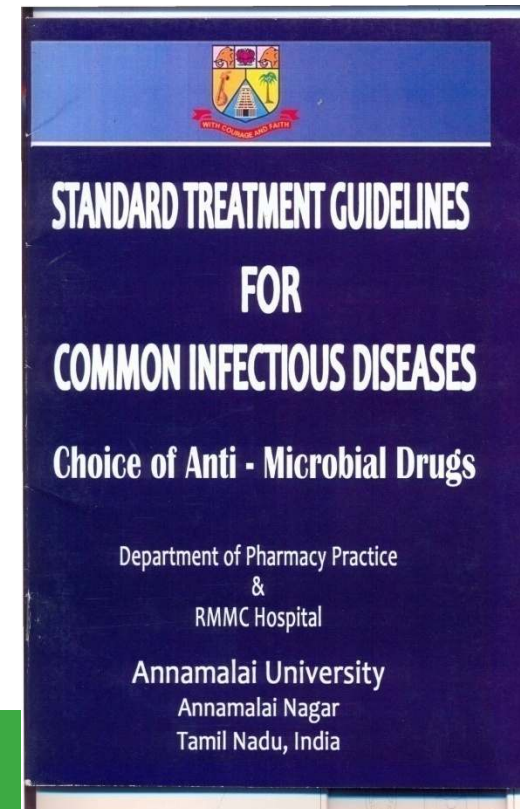
Ecumenical Pharmaceutical Network
Réseau Pharmaceutique Œcuménique



Public education on antibiotic use



- Promoting use of available tools
e.g. MSH ICAT tool was used in St. Martin Hospital Cameroon to give an insight into the state of selected practices »»»»» basis for intervention
- Investing in MTCs »»»» 6 hospitals in Arusha: clear TOR, supported by hospital management
- Development of local treatment guidelines for infectious diseases



- Effectiveness of interventions – how to reach as many countries (communities) as possible
- Inadequate documentation of interventions and mechanisms to demonstrate that antibiotic use practice has improved

MIGORI DISTRICT HOSPITAL CITIZENS SERVICE DELIVERY CHARTER

VISION: To be an efficient and cost effective medical care centre for a healthy community.

MISSION: To promote and participate in the provision of integrated and high quality curative promotive and rehabilitative services to the community.

GOAL: To improve the health impact and outcome indicators of the six human life cycle cohorts.

CORE VALUES: Professionalism . Timeliness . Quality . Integrity . Teamwork . Honesty . Innovation . Openness

SERVICES OFFERED	WAITING TIME	USER CHARGES (KSHS)	SERVICES OFFERED	WAITING TIME	USER CHARGES
Registration and customer enquiries	5 mins	Free	Elective operations	1-2 Hrs	3000
Registration	10 mins	Free	Dental Services	1-2 Hrs	250 - 3000
Consultation	20 mins	Free	Special Clinics:		
Adults and children above 5 years	20 mins	Free	Obs/Gynae	10 mins	100
Children below 5 years	20 mins	Free	MOPC	10 mins	100
Family planning services	10-30 min		Surgical	10 mins	100
Laboratory services	30 min-6 Hrs	20-500	Psychiatric	10 mins	100
Day services	20 min-1 Hr	150-500	Inpatient Services		
Emergency operations	30 mins	3000 Payable after treatment	Physio/Occupation Services	20-30 mins	50-100
Emergency admissions	10 mins	2.00 Payable after admission	Voluntary medical male circumcision (VMMC+)	1 1/2 Hrs	Free
Emergency admissions	20 mins	2.00			

Treatment and Drugs for Malaria TB and HIV/AIDS are free.
Huduma bora ni haki yako
In case of difficulties or enquiries, call 0726471700, 0726101308, 072614170, 073645487

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Acknowledgements



USAID

FROM THE AMERICAN PEOPLE



Strengthening
Pharmaceutical
Systems



DIFAEM



University of Nairobi



Thank you

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