

**FELTP:
Laboratory and Epidemiology Skills
to Solve Public Health Problems in
AFRICA**

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Kenya FELTP

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Outline

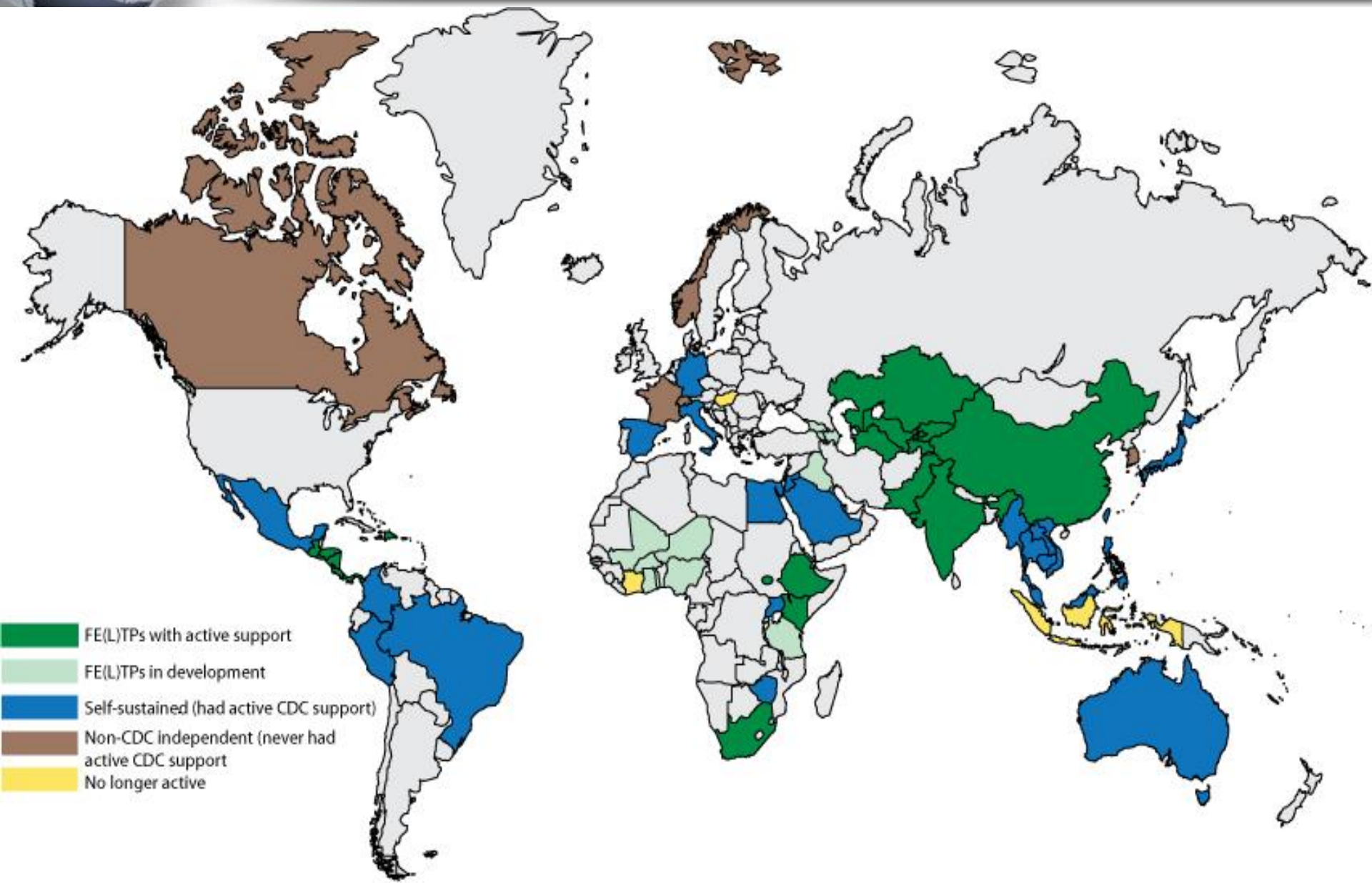
- Background
- FELTP training model
- Collaboration between laboratory and epidemiology
- Outcomes

Field Epidemiology Trainings

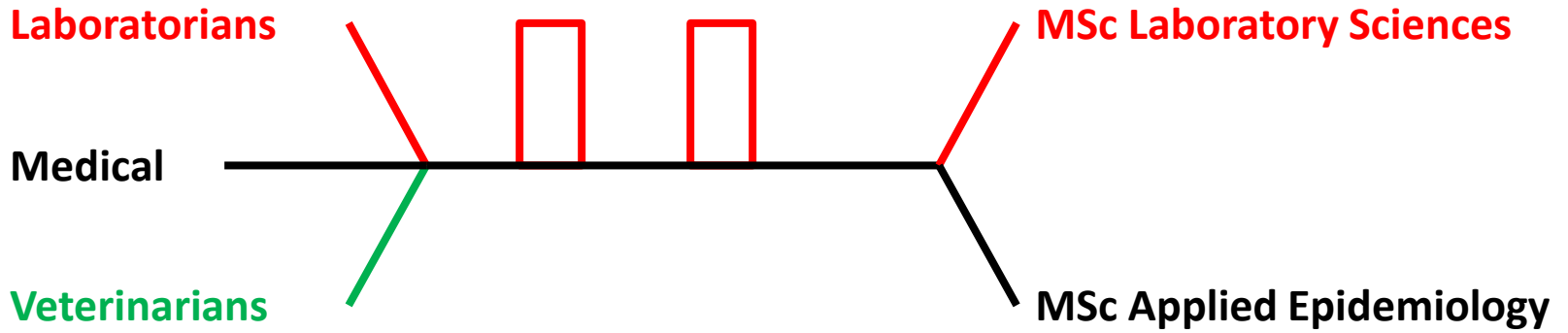
- FETP begun 1980's
 - Begun in Africa-1990's
- FELTP- 2004
 - Continue growing



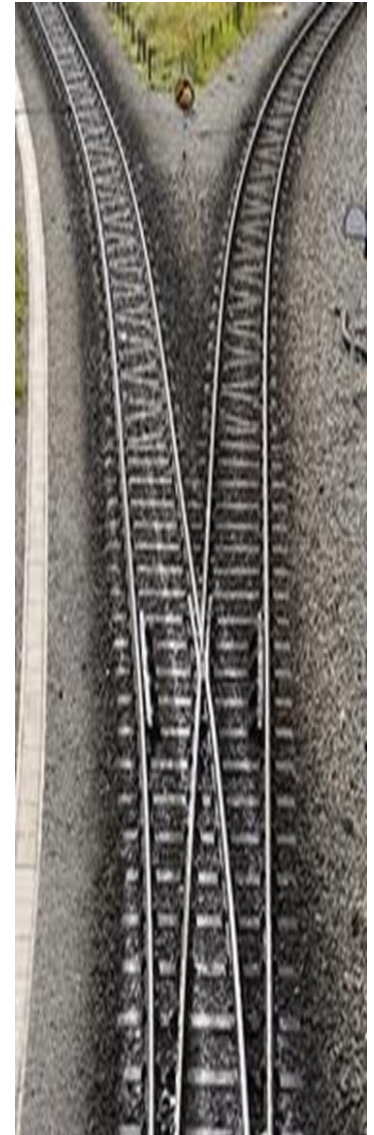
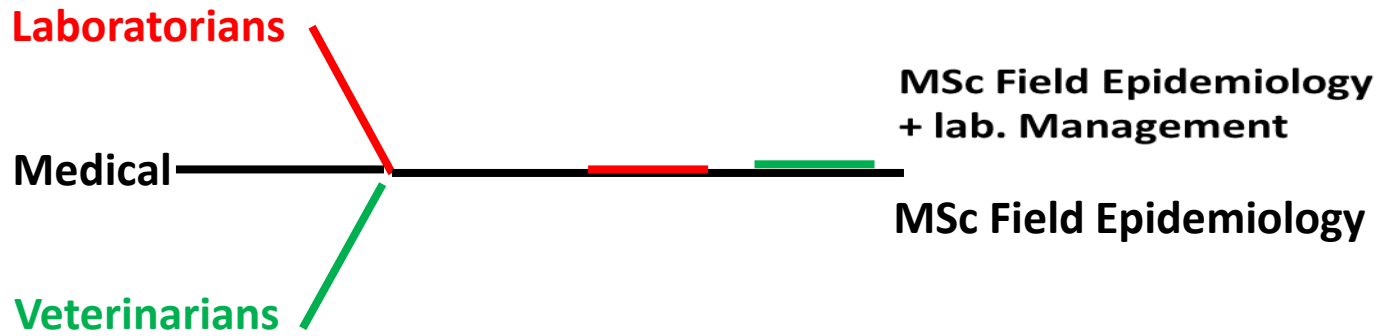
FELTP Status Worldwide



Old Model



FELTP Model



Collaboration



Improved Disease Surveillance Capacity in Africa

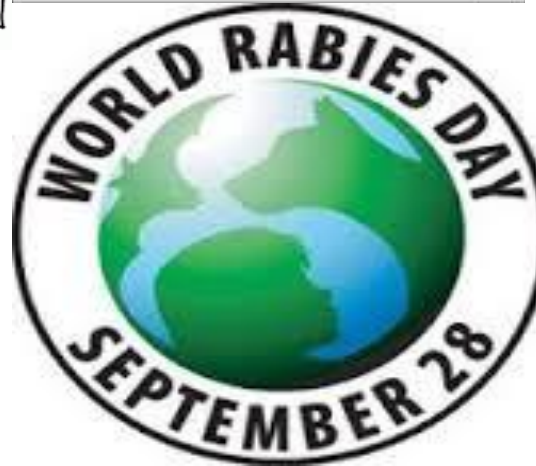
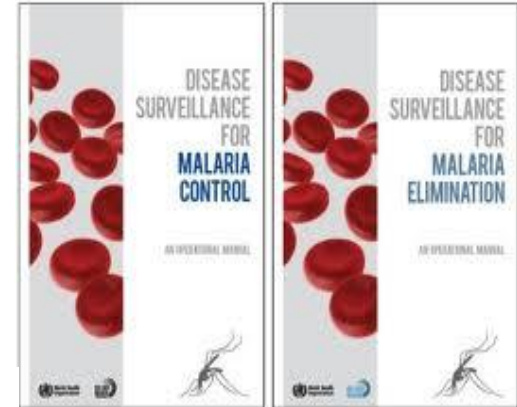
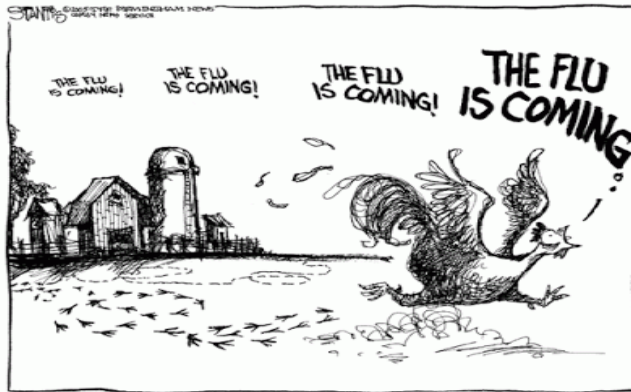


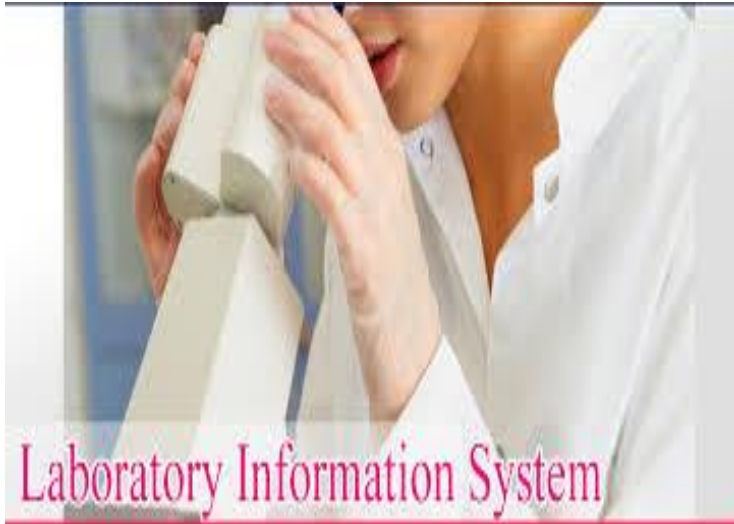
4. Kenya Revised IDSR Technical Guidelines



Key changes

- Addition of zoonotic diseases in the priority disease list
- Inclusion of Veterinary Officer in the District and County Public Health Emergency Management Committees (PHEMC)





Global Polio Laboratory Network

Working with the Global Polio Eradication Initiative to analyze the requirements and implement a web based system to facilitate the collaboration and reporting on the capacities of the laboratories .



Disease Surveillance
Monitoring and Reacting
to Outbreaks (like Ebola)
with an Enterprise Data
Warehouse



Dale Sanders
Senior VP
HealthCatalyst
with change

Outbreak Investigation and Response



Rift Valley Fever



CHOLERA. PREVENTION.

1. Let every person be washed perfectly clean, morning and evening.
2. Let every room be cleaned and swept every day, and well washed at least once a week.
3. Let no rubbish nor dirt lie about the door, use near the house.
4. Let off all stagnant water.
5. Let the house be whitewashed with hot lime.
6. Beware of Drunkenness--nothing is so likely to bring on Disease.

If any one is seized with sickness, slight vomiting, and purging, a burning heat at the stomach, with cramp in various parts of the body, and a feeling of cold all over, it probably is the Cholera.



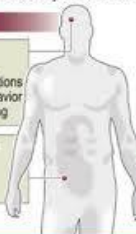
Lead poisoning

Lead buildup in the body causes serious health problems

Symptoms

- Headaches
- Irritability
- Reduced sensations
- Aggressive behavior
- Difficulty sleeping

- Abdominal pain
- Poor appetite
- Constipation
- Anemia



Additional complications for children:

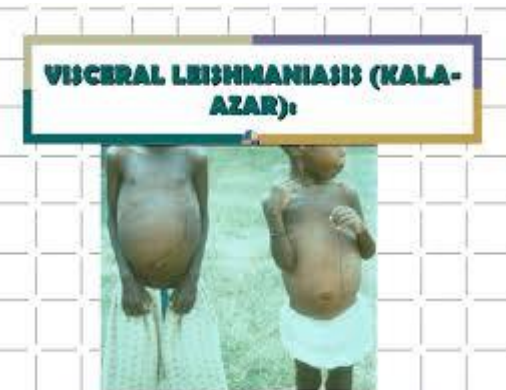
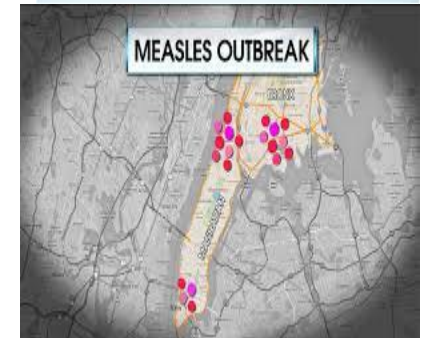
- Lead is more harmful to children as it can affect developing nerves and brains
- ▶ Loss of developmental skills
- ▶ Behavior, attention problems
- ▶ Hearing loss
- ▶ Kidney damage
- ▶ Reduced IQ
- ▶ Slowed body growth

Source: MedlinePlus/Mayo Clinic

AFP



HOSPITAL ACQUIRED INFECTION



Policy and Advocacy

- Public health leadership within MOH and beyond
- Cascading Epidemiology and Laboratory collaboration to lower levels
- Adoption of FELTP curriculum by other public health trainings

Disease detectives for present and future public health in Africa

Thank You