



# Insights on partnership Building Between Human and Animal Fellows in Malawi

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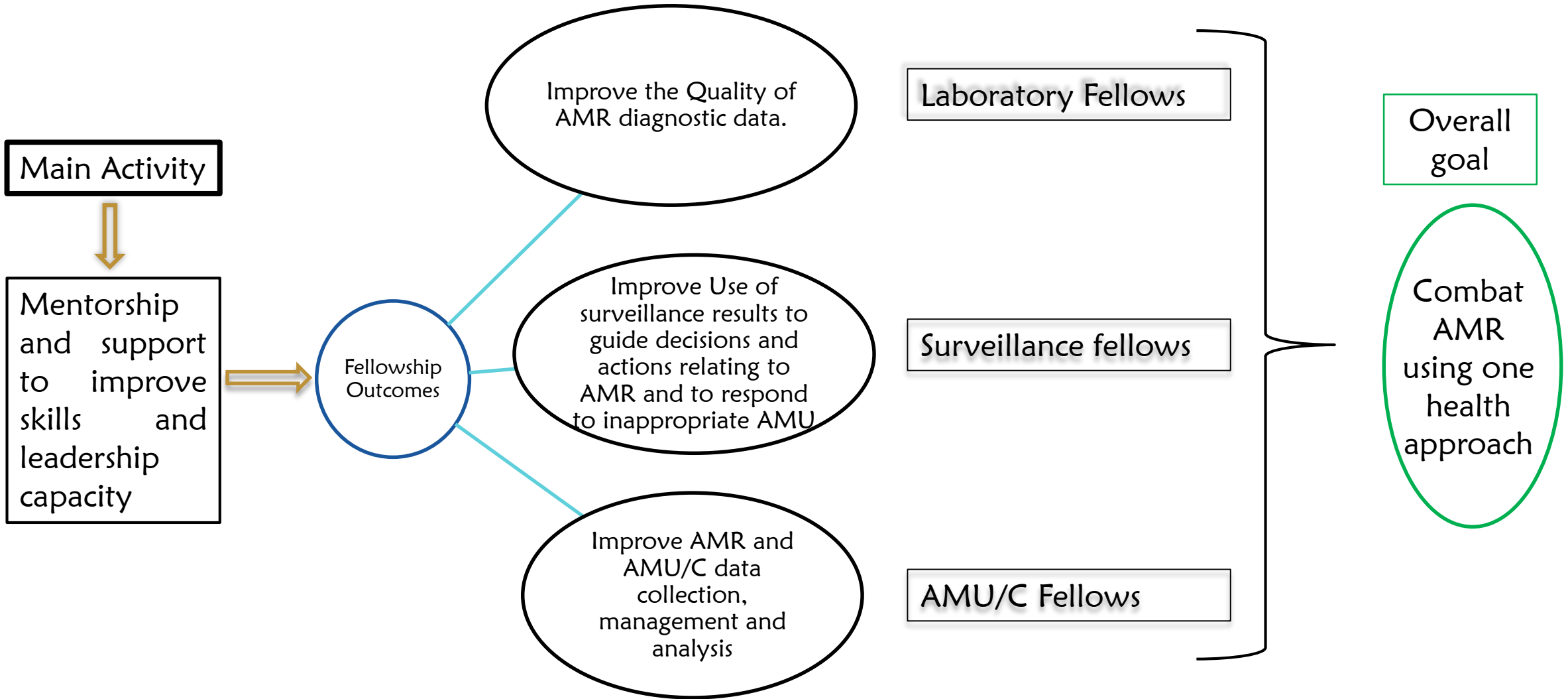


# Outline

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- Fellowship outcomes
- Partnership building
- The challenges
- Successes
- Lessons learnt

# Fellowship Scope



## Partnership building:

1

### Joint Education (trainings)

- Presented to the whole audience or by fellow category

- Epidemiology, significant, control etc
- Communication, Data management and analyses etc

All fellows

- Diagnostics and Quality management systems

Human and Animal lab fellows

- AMU/C surveillance, policy etc

Surveillance and AMU/C fellows

2

## Mutual-assistance (at local-level)

Proficiency testing



Reagents/consumables sharing



Skills transfer



Experience sharing



Confirmatory testing



3

## Collaborative project

**Title:** A prospective framework for One Health Surveillance of AMR: A mixed methods characterisation of multi-drug resistant Escherichia coli in Malawi

### Introduction

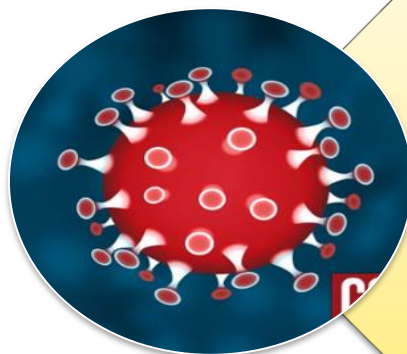
#### Background

The World Health Organisation (WHO) has identified 12 classes of bacteria responsible for the highest global mortality and morbidity burden.<sup>1</sup> Among the top three bacterial classes that require urgent research and development of new

- The hub that brought all of the fellows together and learn to work cooperatively
- A problem was solved in a multi-disciplinary approach
- Every fellow had their role to play which complemented other fellows' roles
- A frame work for one-health surveillance was established



# Challenges



## Covid-19

- No in-country gatherings
- Travel restrictions
- Over-burdened healthcare systems



## Competing priorities

- Other office duties

# Successes

## 1. A sophisticated collaborative project

- Blueprint for one-health surveillance

## 2. Improved communication between sectors

## 3. Networking

- Local and international

## 4. First cohort with international standard knowledge which is applicable locally

## 5. Affiliation with University of Edinburgh

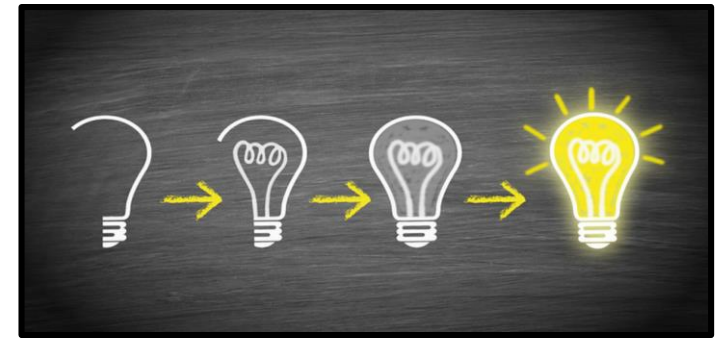
- Prestigious and internationally renowned





## Lessons learnt

1. It is possible to build a human-animal health partnership
2. The use of antibiotics in animal health is as significant as in human health
  - The use was undermined
3. One-health set up of Collaborative projects
4. Different approaches in diagnostics as observed in animal health labs and vice versa
5. Appreciated that it is possible to optimize the use of antibiotics





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