



World Organisation  
for Animal Health



# Training Seminar for National Veterinary Products Focal Points

**Veterinary Products: A Vital Tool for Improving Animal Health and Welfare**

05 – 07 September 2023 Lilongwe, Malawi



The  
Fleming  
Fund



Funded by  
UK Government



# MALAWI EXPERIENCE

Joseph Nkhoma

# Outline

- Background
- AMR Strategy Implementation
- Substandard products survey capturing
- Challenges and thoughts





# Background

- AMR is a global challenge and threat to Human and animal health
- A serious threat to peoples' livelihoods
- Malawi is reviewing its AMR strategy ( 2017-2022) which guided its AMR implementation
- The strategy helped Malawi to generate critical data in
  - ✓ AMR in humans and animals
  - ✓ Improved quality of AMU reports to WOA
  - ✓ Need to strengthen regulatory framework for use of veterinary medicines



# Capacity building and Active surveillance

- Capacity building through

- HR
- Equipment
- Lab renovations
- Training in QMS
- Participation in PT and interlab with sister human lab
- SOPs and lab manual developed
- Training in QMS



- Active surveillance

- Involving poultry- Layers and broilers
- A specific protocol developed
- Total of 609 out of 800 planned samples collected

❖ Applied for accreditation !

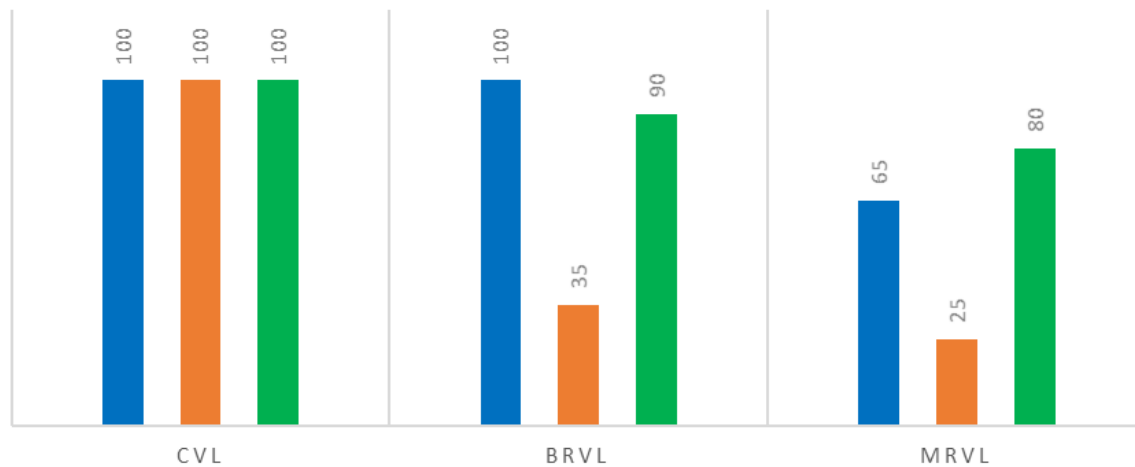


# AMR pattern in Malawi



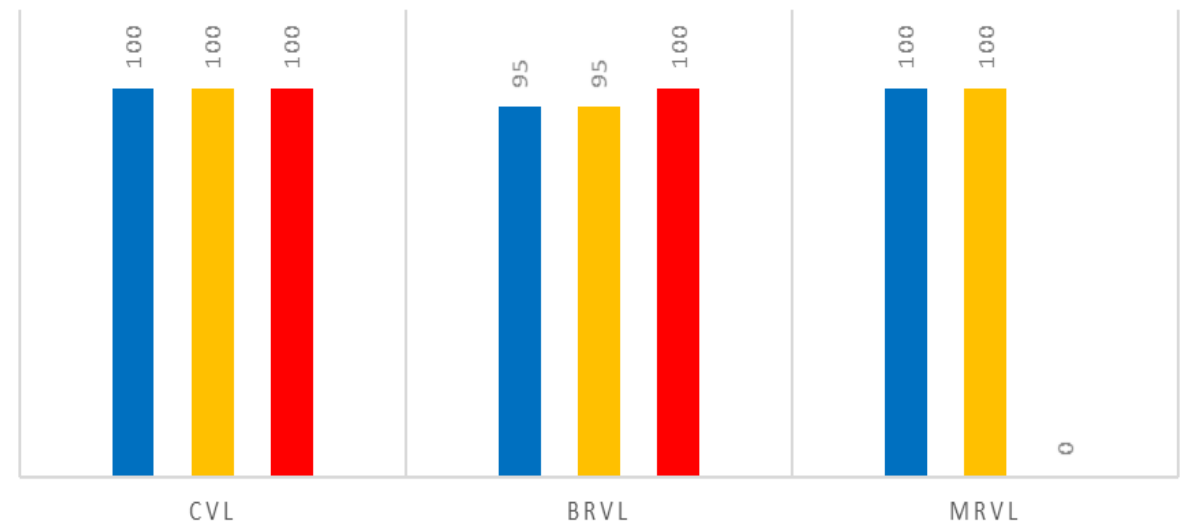
## ECOLI RESISTANCE

■ Ampicillin ■ Ciprofloxacin ■ Sulfamethoxazole-Trimethoprim



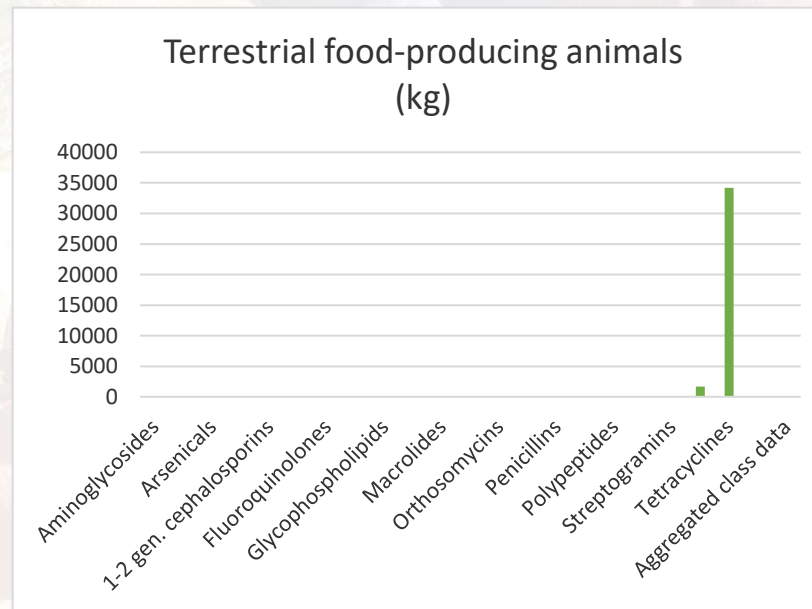
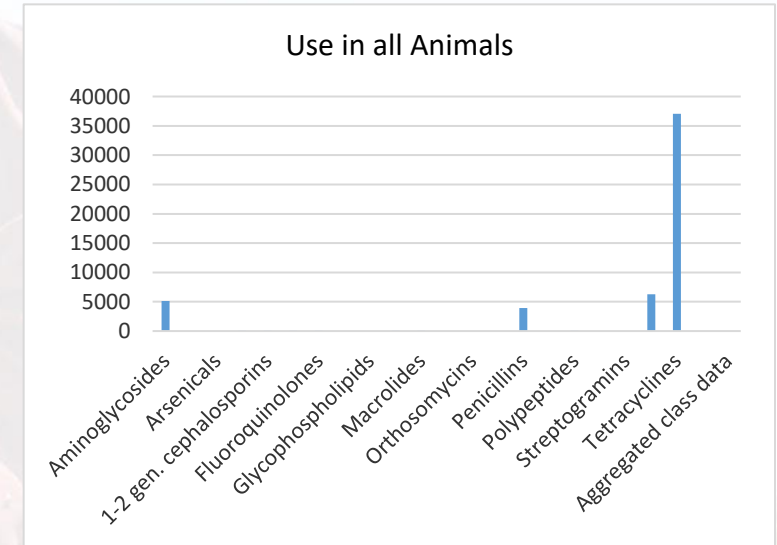
## SALMONELLA RESISTANCE

■ Sulfamethoxazole trimethoprim ■ Quinupristin/Dalfopristin ■ Gentamicin



# Trends in AMU over the cycles

- Malawi has submitted AMU data to WOAHA for 7 of the 8 cycles ( except in 2016)
- Pattern has remained the same



# Substandard and Falsified Veterinary Products

WOAH pilot for substandard and falsified veterinary products

District:

Item	Details
Name of Product (brand)	
Active ingredient	
Dosage form (if known)	
Method of admin	
Manufacturer	
Expiry date	
Target species	
Photos of product (if available)	

- Malawi accepted the call to participate in the pilot
- Title: "pilot survey on global information and alert system for substandard and falsified veterinary products"
- Aim of survey: to better understand the problem and develop a mechanism to try and fight the scourge.

NB: use a new form for each product



# So far !

- Launched towards the end of 2021
- Monthly submissions of reports ( whether reported or not) since early ( January) 2022
- So far , there has not been any report submitted from the field of a substandard or falsified veterinary product
- Interestingly, a dissertation by a final year veterinary medicine student at our local university conducted on the same found that all products had molecules that were complying with minimum levels by the national regulatory body ( PMRA)

# Lessons learnt

- Quality lab work is not just about the bench work
- Collaboration with other labs and in a one health manner is crucial
- Labs sit on valuable information to inform policy, collaborations and projects



# Challenges and Thoughts

- Failure to cure may result from under dosing, not finishing the course of antibiotics, substandard or falsified products
- Lack of data / information submission from the field
- Will learn how others have overcome the non reporting challenge

# Thank you

