

Zimbabwe's One Health Antimicrobial Resistance National Action Plan and overview of implementation progress

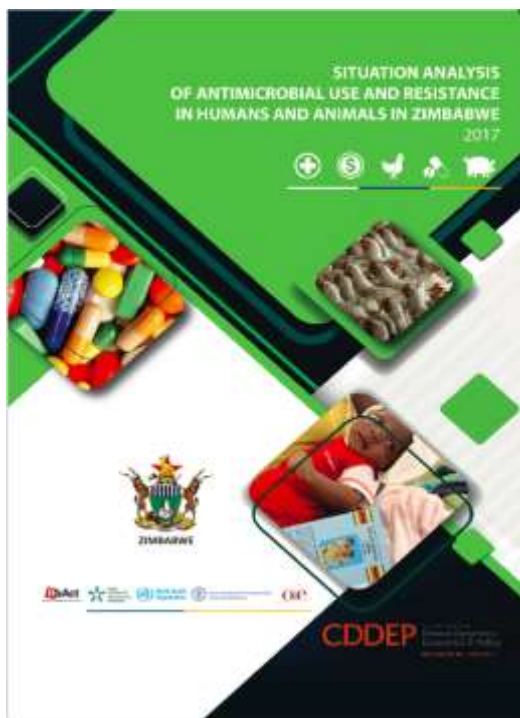
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Workshop on Implementation Status and Reprioritization of
Zimbabwe's One Health Antimicrobial Resistance National
Action Plan

September 28–29, 2020

11:15 AM–3:45 PM

28 September 2017 - Launch of documents



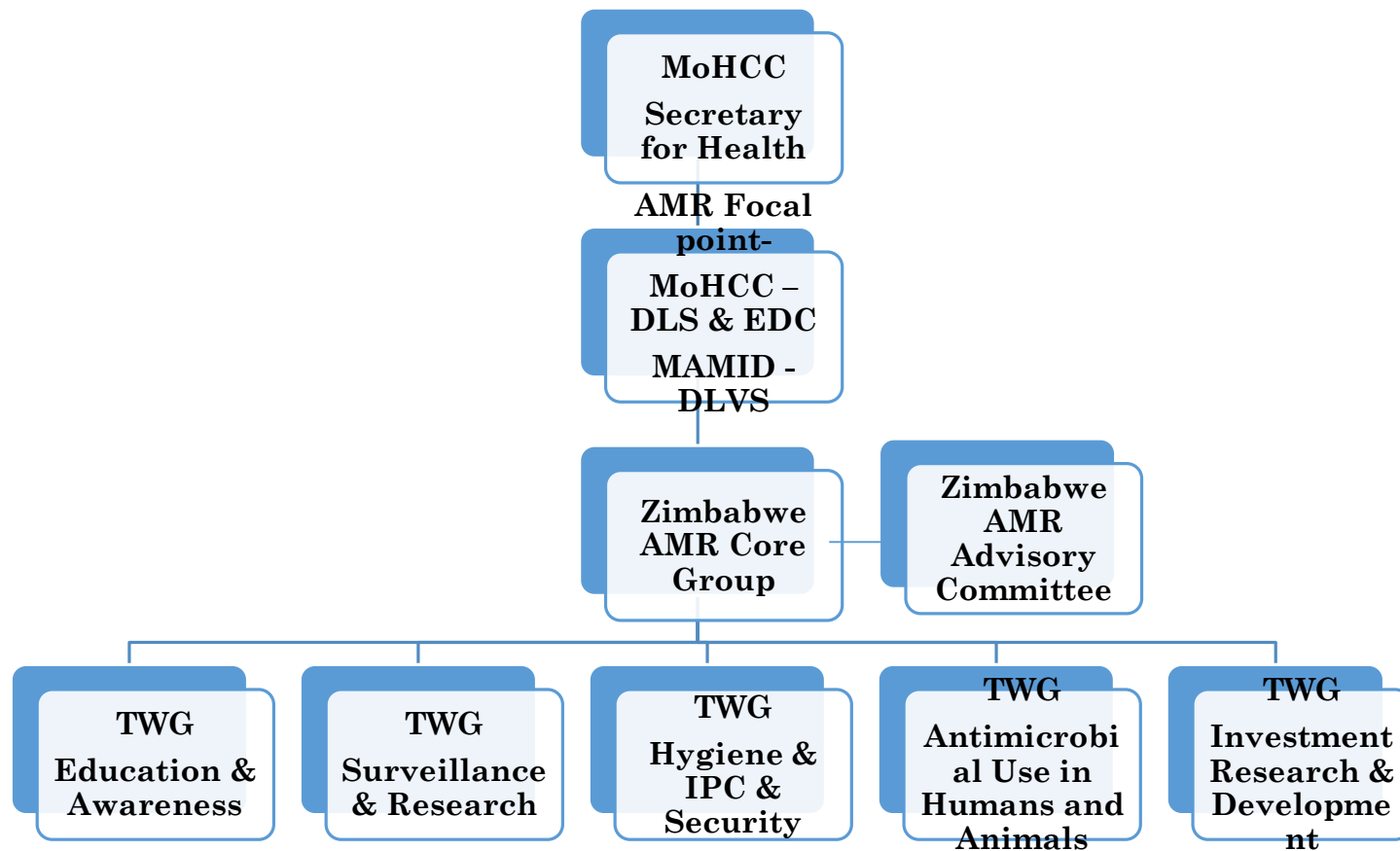
LAUNCH OF AMR NATIONAL ACTION PLAN





GOVERNANCE STRUCTURE

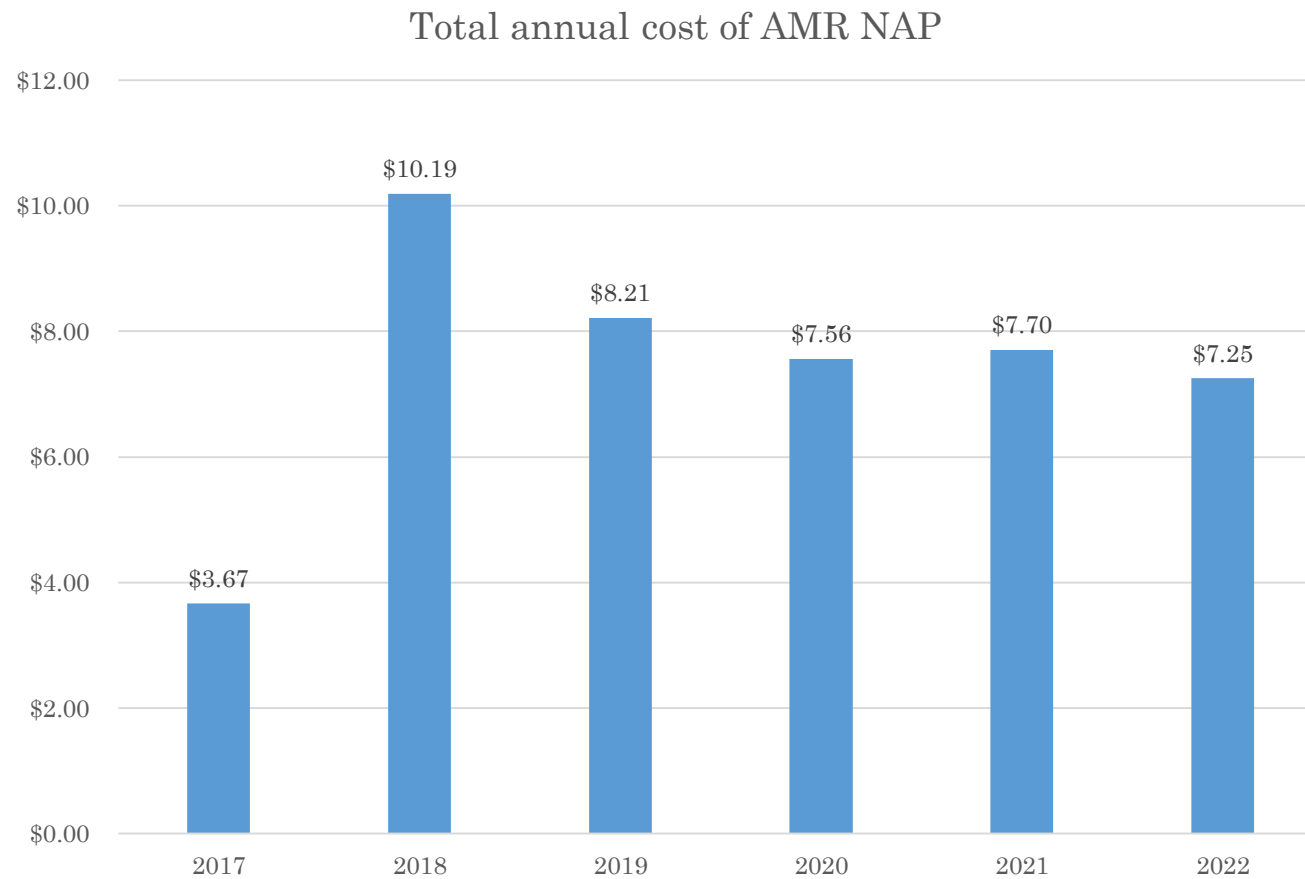




Strategic objectives

1. ***Education, training and awareness*** : To raise awareness and educate the population, professionals and policy makers.
2. ***Surveillance*** – Improve detection and understanding of the AMR and AMU patterns and trends through surveillance .
3. ***IPC, good animal husbandry and biosecurity*** : Reduce the need for antimicrobials by improving IPC, animal health and management practices including biosecurity, WASH and immunisation.
4. ***Rational use of antimicrobials*** : Improve controlled access and optimise the use of antimicrobials in humans and animals.
5. ***Investment into research and development*** : Sustainable investment into AMR interventions and research into new antimicrobials and alternatives to antimicrobials

Costed NAP



Cost by strategic objective 2017-2022

Objective		Total cost	
Education and awareness		\$7,887,330	
Surveillance		\$15,829,825	
IPC/Biosecurity		\$9,927,735	
Rational use		\$7,270,665	
Research and development		\$1,746,371	
Coordinating mechanism		\$1,911,070	
Total cost		\$44,572,996	

NATIONAL AMR CORE GROUP

- The Zimbabwe National AMR Core Group is made up of 21 representatives from all the key sectors, and these include:
 - Ministry of Health
 - Ministry of Agriculture
 - Ministry of Environment
 - Medicines Control Authority of Zimbabwe
 - National Biotechnology Authority of Zimbabwe
 - Academia
 - Civil society
 - WHO
 - FAO
 - OIE rep



Funding Mobilization

- WHO AGISAR Project – US\$70 000
- Regional grant of US\$25000 Fleming Fund
- WAAW from 2015 – support from WHO and FAO
- Participating in regional ASLM regional FF grant – Mapping AMR and AMU Partnership
- FF Country grant to implement – Integrated Surveillance system – 4mil pounds
- WHO – ESBL Tricycle project
- ICARS - Research
- 2020 MOHCC Strategic Plan – Reporting of AMR



25000 FF Grant through WHO

- Edu and Aw TWG - Gathering data for a communication strategy
- Surveillance TWG - Draft surveillance strategy present
- IPC and Biosecurity – 3 workshops held
- Rational use group – Stewardship meeting
- Innovative research - Meeting





AWARD PRESENTATION CEREMONY – for trained journalists



Hand washing Day – May 2018



WORLD ANTIBIOTIC AWARENESS WEEK

- The World Antibiotic Awareness Week has presented significant opportunities for AMR education and awareness.
- Activities implemented during the week includes the following:
 - Radio and television appearances and talk shows.
 - Public lectures
 - Lectures at universities
 - Newspaper articles on AMR
 - Collaboration with College of Health Sciences students
 - Arts events on AMR



Awareness campaigns





AMR researches by PhD and Masters students

- Molecular epidemiology of extra-intestinal pathogenic *Escherichia coli* (ExPEC) circulating in humans, animals, food and the environment in Zimbabwe
- Genomic characterisation of *Salmonella enterica* from environmental, animal, food and human sources in Zimbabwe
- What roles have antimicrobial medicines come to play in fever case management? An Ethnographic Study in Harare, Zimbabwe
- Association of dairy farm management practices with development of antimicrobial resistance in commensal *Escherichia coli* found in apparently healthy dairy cows.
- Evaluation of the One Health AMR surveillance project.
- Antimicrobial resistance patterns of *Vibrio cholerae* isolates data from the 2018 cholera outbreak in Zimbabwe.
- An investigation of horizontal gene transfer of antibiotic resistance genes from *Escherichia coli* to *Salmonella Typhi*.

Challenges

- Coordinating mechanism needs to be strengthened.
- All members in Core group have other jobs – busy
- No funding for other key activities within NAP.
- No policy document yet.
- HR shortage in all ministries
- Need for active collection of animal and environment samples

Lessons learnt

- We can achieve activities as One Health – WAAW and WHO AGISAR project.
- Partners and UN agencies are supportive – AMR Legislation for AMR present.



Next steps

- Implement the country grant on the integrated surveillance
- Ensure incorporation of activities into all Ministry activities
- Continue writing proposals for more funding.
- National Research Symposium for presentation of AMR/AMU research concepts for final selection is scheduled to be held in the 1st Quarter of 2020
- MoHCC – To have an AMR department
- Tripartite M&E visit – Multi Partner Trust Fund – US\$500 to \$800 000.



THANK-YOU

