

Why to contain AMR & how to succeed ?

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of Department

26th Conference of the WOA Regional Commission for Africa
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World
Organisation
for Animal
Health
Founded as OIE

Organisation
mondiale
de la santé
animale
Fondée en tant qu'OIE

Organización
Mundial
de Sanidad
Animal
Fundada como OIE



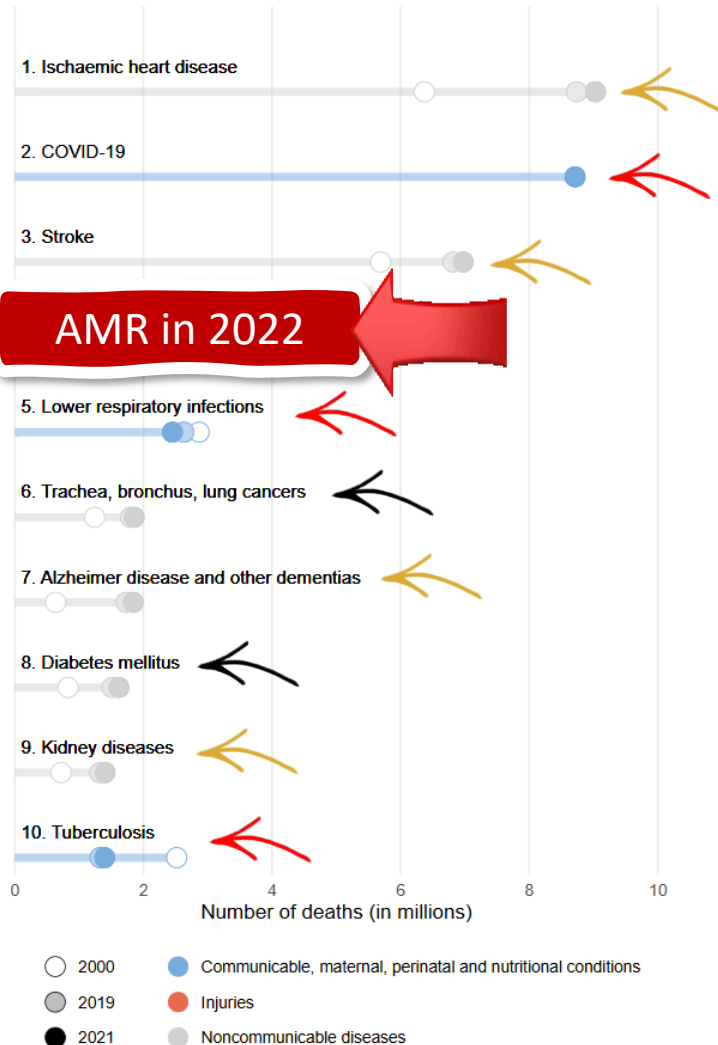
What's going on in Africa?

New incidents reported to WAHIS between Sep.2024 – Jan.2025

- Contagious bovine pleuropneumonia
- Rift Valley fever virus
- Rabies virus
- African horse sickness virus
- Foot and mouth disease virus
- Anthrax
- African horse sickness virus
- Lumpy skin disease virus
- Equine rhinopneumonitis
- West Nile Fever
- Bluetongue virus
- Equine influenza virus
- Rabbit haemorrhagic disease



Leading causes of death in 2021 globally



And what would happen if we do not change our current behaviour?

From now to 2050...

39 million
Left unaddressed, antibiotic-resistant infections could lead to more than **39 million human deaths** between 2025 and 2050.

\$1.7 trillion
Increased antimicrobial resistance in humans could lower annual global GDP by up to **\$1.7 trillion** by 2050.

Source: <https://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death>
*Source: <https://www.woah.org/app/uploads/2024/09/ihme-human-health-web-f23924.pdf>

<https://www.woah.org/en/superbugs-could-jeopardise-food-security-for-over-two-billion-people-and-increase-annual-health-care-costs-by-us-159-billion-annually-by-2050-finds-most-extensive-modelling-to-date/>



World Organisation
for Animal Health
Founded in 1967

Home

mg/kg

Antimicrobial
Quantities

Covered
Animal Biomass

Antimicrobial Classes

- Tetracyclines
- Penicillins
- Macrolides
- Amphenicols
- Sulfonamides (including trimethoprim)
- Aminoglycosides
- Polypeptides
- Pleuromutilins
- Fluoroquinolones
- Lincosamides
- Aggregated class data
- Cephalosporins (all generations)
- Others
- Orthosomycins
- Streptogramins
- Glycophospholipids
- Quinoxalines
- Other quinolones
- Nitrofurans
- Arsenicals
- Glycopeptides

Year Analysis

101

No. Participants



Year Analysis

27

No. Participants

Year

2021

Antimicrobial

Tout

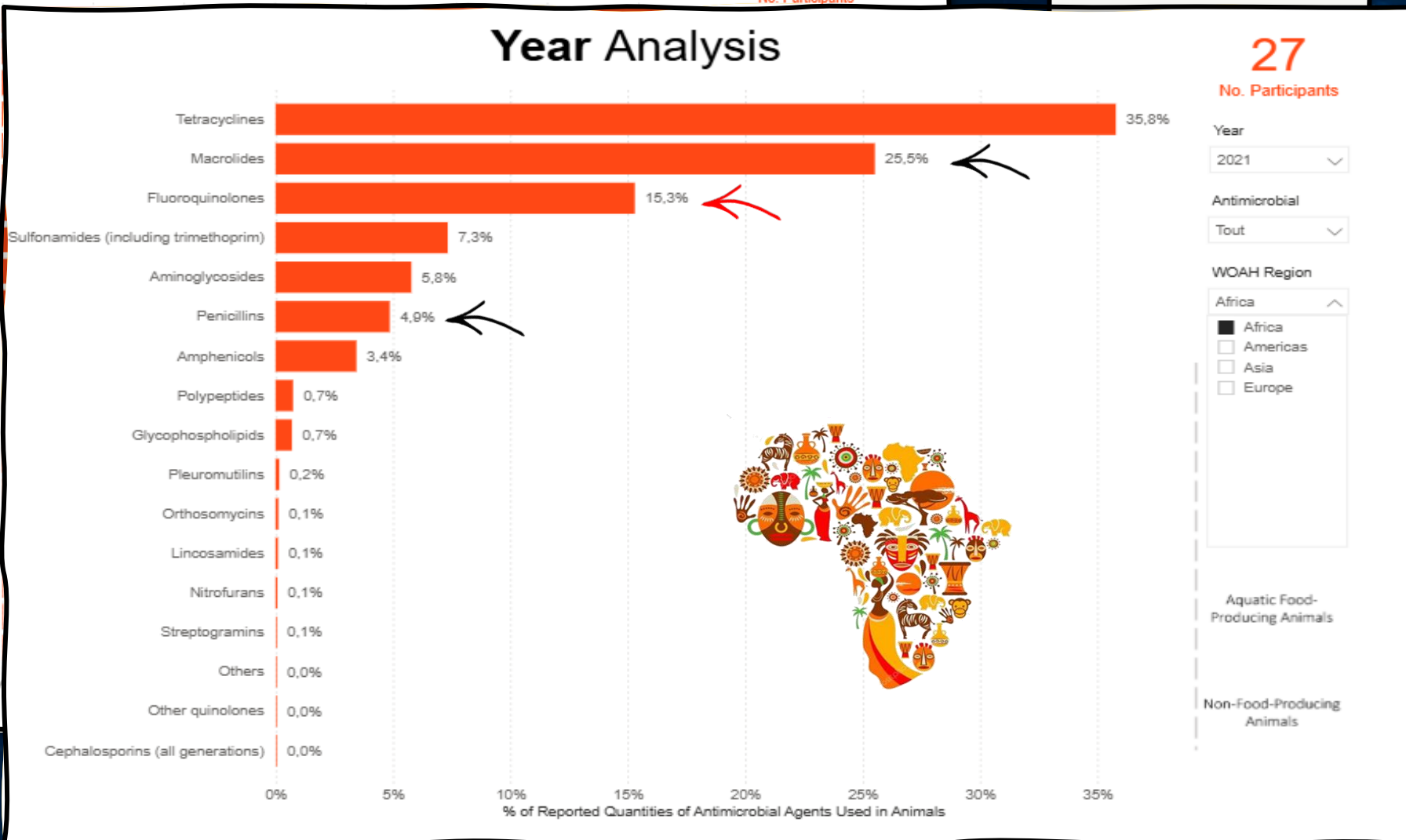
WOAH Region

Africa

- Africa
- Americas
- Asia
- Europe

Aquatic Food-Producing Animals

Non-Food-Producing Animals





- AMR-related mortality data - unknown
- AMR prevalence data – partial

Meta-Analysis > BMC Vet Res. 2024 Jul 10;20(1):307. doi: 10.1186/s12917-024-04158-w.

Antimicrobial use, residues and resistance in fish production in Africa: systematic review and meta-analysis

Frédéric Moffo ^{1 2}, Mohamed Moustapha Fokom Ndebé ^{3 4}, Mildred Naku Tangu ¹, Ranyl Nguena Guefack Noumedem ⁵, Julius Awah-Ndukum ^{3 6}, Mohamed Moctar Mouliom Mouiche ⁷

> BMC Microbiol. 2024 Apr 24;24(1):137. doi: 10.1186/s12866-024-03298-1.

Occurrence, antibiotic resistance profiles and associated risk factors of *Klebsiella pneumoniae* in poultry farms in selected districts of Somalia Regional State, Ethiopia

Mohamed Abdi Kahin ¹, Abdimalik Hussein Mohamed ¹, Ahmed Abdi Mohamed ¹, Mubarik Ali Hassan ², Haben Fesseha Gebremeskel ³, Isayas Asefa Kebede ⁴

40% MDR *E. coli* & other Enterobacteria

And what would happen if we do not change our current behaviour?

From now to 2050...



Antimicrobial resistance could result in production losses in the livestock sector equivalent to the **consumption needs of more than 2 billion people** annually by 2050.

\$5.2 Trillion
The spillover of resistant pathogens from livestock to humans could **reduce global GDP by \$5.2 trillion** from 2025 to 2050.

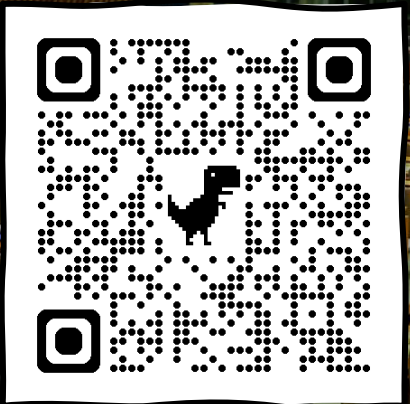
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- Four months of intense negotiations
- Active support role from WOAAH through Quadripartite

2024 - POLITICAL DECLARATION

- Ten sections* & forty-four commitments
- Till 2029 to implement, with intermediate follow up in 2026
- **Four main commitments for animal health**
- Thirteen commitments encompassing animal health
- Fifteen commitments for the AMR Quadripartite

*1) Governance, 2) Financing, 3) Access, 4) Coordinated Multisectoral Response, 5) Human Health, 6) Agriculture & Animal Health, 7) Environment, 8) R&D, innovation & manufacturing, 9) Surveillance, and 10) Follow up





Four commitments for the animal health sector by 2030

As a member of the national Veterinary Services, your work plays a central role in ensuring their achievement.



Reduced quantities of antimicrobials used in animals

69. 'Strive to meaningfully reduce [...] the quantity of antimicrobials used globally in the agri-food system [...] taking into account the [...] standards, guidance and recommendations of the World Organisation for Animal Health.'



Prudent and responsible use of antimicrobials in animals

70. 'Commit to ensure that the use of antimicrobials in animals and agriculture is done in a prudent and responsible manner in line with [...] the standards, guidance and recommendations of the World Organisation for Animal Health.'



Prioritisation of prevention with a focus on animal vaccination strategies

72. 'Ensure [...] that animal vaccination strategies are defined with an implementation plan [...] taking into account WOAH's list of priority diseases for which vaccines could reduce antimicrobial use [...].'



Investment to ensure access to essential veterinary services

73. 'Invest in animal health systems to support equitable access to essential veterinary services, improve animal health and appropriate management practices to prevent infections [...].'

(X): number of the commitment in the AMR Political Declaration.



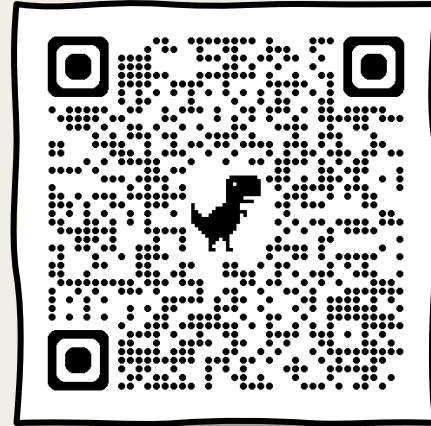
World Organisation
for Animal Health

Africa Regional Workshop on the Implementation of the 2024 UNGA-adopted AMR Political Declaration

Addis Ababa, Ethiopia, 3 February 2025

- AMR is an urgent threat, for ALL SECTORS, there is no doubt
- How to contain it? Prioritising prevention & implementing antimicrobial stewardship

Let's go !
Allons-y !
Vamos !



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ANTIMICROBIAL RESISTANCE



Antimicrobial Resistance (AMR) occurs when bacteria, viruses, fungi and parasites no longer respond to antimicrobial agents.

As a result of drug resistance, antibiotics and other antimicrobial agents become ineffective, and infections become difficult or impossible to treat, increasing the risk of disease spread, severe illness and death.

