



KENYA




The Department of Health and Social Care (DHSC)'s Fleming Fund is a UK aid programme that supports up to 25 countries across Africa and Asia to tackle antimicrobial resistance (AMR), a leading public health threat, globally. The Fleming Fund invests in strengthening surveillance systems through a portfolio of Country Grants, Regional Grants, and Fellowships managed by Mott MacDonald and Global Projects managed by DHSC partners.

Country Context


The Fleming Fund supported, alongside other development partners, to development of Kenya's National Action Plan (NAP) for the Prevention and Containment of Antimicrobial Resistance (2017-2022). Kenya has developed a new NAP which has been submitted to the different ministries for approval and will run from 2023- 2028.

The Kenya Country Grant in phase 2 aims to build on and maximise the impact of investments made to date by supporting the multi-stakeholder revision of the NAP for AMR. This involves consolidating surveillance toward an integrated One Health system to produce data-driven decisions and policymaking.


Phase 2 Country Grant – Expected Results




Support the National Antimicrobial Stewardship Interagency Committee to include the environmental sector.




Support active surveillance in poultry and dairy.




Support 10 human health (HH) and 7 animal health (AH) surveillance sites to operate at core level or above.




Support training in genomic surveillance and whole genome sequencing, and consult the Kenyan government on pathogen analysis.




Support the collection of antimicrobial consumption (AMC) data to be shared with relevant stakeholders across the different sectors.




Ensure AMR data transmission from all HH surveillance sites to the National Public Health Laboratory and all AH sites to the Central Veterinary Research and Investigations Laboratory.



Support data sharing in antimicrobial stewardship committees at HH surveillance sites.



Continue to support sites to generate data for analysis and support the Kenyan government in reporting AMR data internationally.



Support the quantification and costing of reagents and consumables for inclusion in the Kenya Medical Supplies Agency list for public procurement.



Phase 2



Country Grant

Grantee: International Livestock Research Institute

Sub-grantees: University of Nairobi

Value: £3,999,099

Duration: Mar 2024 - Dec 2025

Fellowships

No. of Fellows: 10

Host Institute: University of Edinburgh

Total value: £2,618,011 (across multiple countries, including Kenya)

Total duration: July 2024 - Dec 2025

Regional Grants

(Across multiple countries, including Kenya)

International Vaccine Institute

Regional Antimicrobial Resistance Data Analysis for Advocacy, Response and policy (RADAAR)

Value: £1,999,956

Duration: Dec 2023 - Dec 2025

African Society of Laboratory Medicine

Qualifying the Workforce for AMR Surveillance in Africa and Asia (QWArS)

Value: £2,200,050

Duration: May 2023 - Dec 2025

Fondation Merieux

Technical Assistance for Clinical Engagement (TACE Africa)

Value: £1,822,408

Duration: Feb 2024 - Dec 2025

African Society of Laboratory Medicine

Mapping Antimicrobial Resistance and Antimicrobial Use Partnership (MAAP)

Value: £2,997,523

Duration: Dec 2023 - Dec 2025

African Society of Laboratory Medicine

External Quality Assessment of Laboratory Data Africa (EQuAfrica)

Value: £2,458,558

Duration: Oct 2023 - Dec 2025

Technical University of Denmark

Whole Genome Sequencing and Bioinformatics Capacity Building in Africa (SeqAfrica)

Value: £3,595,802

Duration: Oct 2023 - Dec 2025

Liverpool School of Tropical Medicine

Gender, Equity and Antimicrobial Resistance Mainstreaming (GEAR up)

Value: £2,199,925

Duration: Feb 2024 - Dec 2025

African Society of Laboratory Medicine

Technical Assistance for Data and Evidence Use (TADEU)

Value: £1,800,005

Duration: Feb 2024 - Dec 2025

International Livestock Research Institute

AMR and One Health East and Southern Africa (AMROH ESA)

Value: £1,800,000

Duration: Jan 2024 - Dec 2025

Strategic Alignment Grants

(Across multiple countries, including Kenya)

Brigham and Women's Hospital

WHONET: Management and Analysis of Microbiology Laboratory Data

Value: £453,328

Duration: Mar 2024 - Dec 2025

Commonwealth Pharmacists Association

Surveillance and Prescribing Support for Antimicrobial Stewardship Resource Capacity Building (SPARC)

Value: £806,742

Duration: Mar 2024 - Dec 2025

Phase 1



Country Grant 1

Grantee: PATH
Sub-grantees: University of Nairobi, Kenya Medical Research Institute, International Livestock Research Institute
Value: £5,665,559
Duration: Sep 2019 - Dec 2021

Country Grant 2

Grantee: International Livestock Research Institute
Sub-grantees: Agha Khan University, University of Nairobi, Kenya Medical Research Institute
Value: £1,500,000
Duration: May 2022 - Dec 2023

Fellowships

Number of Fellows: 8
Host Institution: University of Edinburgh
Value: £560,000
Duration: Oct 2020 - Jul 2022

Regional Grants

(Across multiple countries, including Kenya)

African Society for Laboratory Medicine
Mapping Antimicrobial Resistance and Antimicrobial Use Partnership (MAAP)
Value: £3,159,259
Duration: Nov 2018 - Nov 2023

African Society for Laboratory Medicine
External Quality Assessment of Laboratory Data Africa (EQuAfrica)
Value: £4,091,587
Duration: Oct 2019 - Sep 2023

International Vaccine Institute

Regional Antimicrobial Resistance Data Analysis for Advocacy, Response and Policy (RADAAR)
Value: £2,598,397
Duration: Sep 2019 - Nov 2023

Technical University of Denmark

Whole Genome Sequencing and Bioinformatics Capacity Building in Africa (SeqAfrica)
Value: £6,633,221
Duration: May 2019 - Sep 2023

African Society for Laboratory Medicine

Qualifying the Workforce for AMR Surveillance in Africa and Asia (QWARS)
Value: £3,924,506
Duration: Oct 2019 - Apr 2023

Strategic Alignment Grants

(Across multiple countries, including Kenya)

Brigham and Women's Hospital

WHONET: Management and Analysis of Microbiology Laboratory Data
Value: £887,722
Duration: Apr 2022 – Feb 2024

Commonwealth Pharmacists Association

Surveillance and Prescribing support for Antimicrobial Stewardship Resource Capacity Building (SPARC)
Value: £1,077,569
Duration: Dec 2021 – Feb 2024



Phase 1 – Key Achievements



12

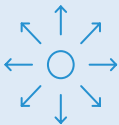
12 laboratories renovated: procurement, and installment of equipment; procurement of consumables and reagents.



Established AMR sample biorepository at the Kenyan National Public Health Laboratory.



Trained laboratory staff at supported sites on equipment, bacterial culture, isolation, identification, and Antimicrobial Susceptibility Testing (AST), data management, sample transportation, and handling.



Central Veterinary Laboratory developed Standard Operating Procedures for four priority AMR pathogens: E. coli, Salmonella, Enterococcus, and Campylobacter.



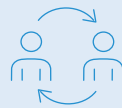
Development of national laboratory quality standards, policies, Proficiency Testing panels, and national External Quality Assessment (EQA).



Pathogen identification and AST processes strengthened for AMR surveillance and reporting.



Supported the Kenya Animal Bio-surveillance System – a real-time disease surveillance system – to collect, transmit, analyse, and feedback data.



7 HH surveillance sites with active stewardship committees involved in AMU data at the site level.



Conducted active surveillance at 834 poultry farms, developing protocols leading to active surveillance of healthy broilers for meat production and hens for egg-laying.



66,835 total culture results were collected from 16 facilities. Pharmacy data collection was successfully conducted in 25 targeted pharmacies.



National stakeholders were provided with information on current surveillance capacity, data availability, resistance epidemiology, and AMC patterns.

26

Enrolment in EQA programme across three EQA cycles increased from 14 to 26 laboratories.



30 participants enrolled in QWArS training courses in Kenya, with 25 participants passing their final professional exams (15 microbiologists and 10 epidemiologists).



Supported the development of the national strategy for AMU/C surveillance in the AH sector.



The Fleming Fund

