



TIMOR LESTE



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 government of Timor-Leste developed and implemented its first National Action Plan for Antimicrobial Resistance Containment (NAP-AMR) 2016-2020. Building on significant progress, a second NAP-AMR) 2022-2026 has been developed. The NAP II implementation is a collective effort involving the ministries of health, agriculture and fishery, environment and others, as well as partners and stakeholders.

The Timor-Leste Country Grant in phase 2 aims to build on and maximise the impact of investments made to date. This involves consolidating surveillance toward an integrated One Health (OH) system to produce data-driven decisions and policymaking.



Phase 2 Country Grant – Expected Results

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Develop the national AMR surveillance strategy in poultry and cattle, aligned with the recent NAP.
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Increase numbers of private sector actors collaborating in AMR surveillance and antimicrobial use (AMU) data contribution.
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Analyse knowledge, attitudes and practices related to AMR and gender norms in a variety of professional contexts and made available for policymakers.
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Establish stronger clinical and laboratory data linkages at key sites.
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Produce and present national antibiogram annually.
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Reports from surveillance shared with the Technical Working Group (TWG) and to surveillance sites.
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National AMR governance and sustainability strategy developed.
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Draft policies and strengthen capacities for equipment management, drug and consumables specification, logistics, and waste management.

Phase 2



Country Grant

Grantee: Menzies School of Health Research

Value: £4,574,716

Duration: Jan 2024 - Dec 2025

Fellowships

No. of Fellows: 9

Host Institute: The Peter Doherty Institute for Infection and Immunity

Total value: (Across multiple countries, including Timor-Leste) £654,488

Total duration: Nov 2023 - Dec 2025

Regional Grants

(Across multiple countries, including Timor-Leste)

International Vaccine Institute

Technical Assistance for Clinical Engagement Asia (TACE Asia)

Value: £1,882,436

Duration: Feb 2024 - Dec 2025

International Vaccine Institute

Technical Assistance for Data and Evidence Use in Policymaking Asia (TADEU Asia)

Value: £1,687,091

Duration: Dec 2023 - Dec 2025

University of Melbourne

The Asia Pacific Centre for Animal Health AMR and One Health South East Asia (AMROH SEA)

Value: £1,374,992

Duration: Jan 2024 - Dec 2025

Liverpool School of Tropical Medicine

Gender, Equity and Antimicrobial Resistance Mainstreaming (GEAR up)

Value: £2,199,925

Duration: Feb 2024 - Dec 2025

Technical University of Denmark

External Quality Assessment of Laboratory Data Asia (EQuAsia)

Value: £2,497,995

Duration: Nov 2023 - Dec 2025

International Vaccine Institute

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

Value: £1,999,956

Duration: Dec 2023 - Dec 2025

Strategic Alignment Grants

(Across multiple countries, including Timor-Leste)

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 Grants

Grantee: Menzies School of Health Research

Value: Country Grant 1: £3,999,219, Country

Grant 2: £3,159,060

Duration: Country Grant 1 May 2019 – Jan 2022,
Country Grant 2 Apr 2021 - Dec 2023

Fellowships

Number of Fellows: 12

Host Institution: The Peter Doherty Institute
for Infection and Immunity

Value: £800,000

Duration: June 2020 - Jan 2023

Regional Grants

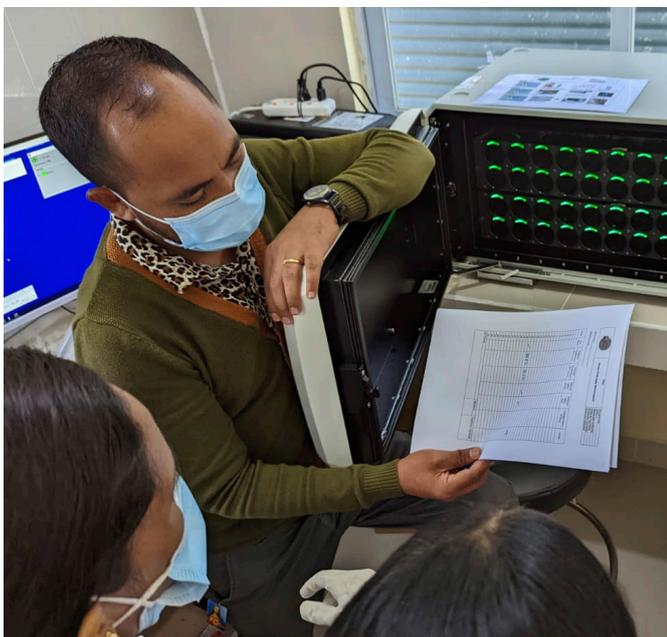
(Across multiple countries, including Timor-Leste)

International Vaccine Institute

Capturing Data on Antimicrobial Resistance
Patterns and Trends in Use in Regions of Asia
(CAPTURA)

Value: £2,070,980

Duration: Jan 2019 - Sep 2023



Technical University of Denmark

External Quality Assess External Quality
Assessment of Laboratory Data Asia
(EQuAsia)

Value: £4,247,345

Duration: Jan 2020 - Oct 2023

International Vaccine Institute

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

Value: £2,715,217

Duration: Sep 2019 - Nov 2023

Strategic Alignment Grants

(Across multiple countries, including Timor-Leste)

Brigham and Women's Hospital

WHONET: Management and Analysis
of Microbiology Laboratory Data

Value: £889,044

Duration: Apr 2022 - Feb 2024

Commonwealth Pharmacists Association

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

Value: £1,152,946

Duration: Dec 2021 - Feb 2024

Foundation for Innovative New Diagnostics

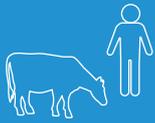
FIND: Enhance Laboratory Capabilities,
Data Visualisation, and Digital
Health Platforms

Value: £2,586,227

Duration: Apr 2021 - Feb 2024



Phase 1 – Key Achievements



Established AMR and AMU surveillance systems and initiated antimicrobial consumption (AMC) data collection in HH and AH.



Revised standard treatment guidelines, essential medicines list and national antimicrobial guidelines.



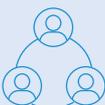
Provided technical support to SAMES (National Institute of Pharmacy & Medical Products) with laboratory reagents and consumables, including development of critical reagents list for National Health Laboratory (NHL).

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National Reference Laboratory (NRL), 8 hospitals for HH, and 1 AH laboratory were renovated.



Worked with the government to publish the results of AMU surveillance in pig farming.



National Multisectoral Committee and TWGs strengthened to drive progress with the NAP 2017-20 and the new NAP 2022-26.



NHL provided microbiology services to all provincial hospitals. Improved preliminary microbiology testing at the Hospital Nacional Guido Valadares where the first Point Prevalence Survey was conducted.



The Veterinary Diagnostic Laboratory performed bacterial identification of *E. coli* and *Salmonella*, and Antibiotic Susceptibility Testing (AST). Biosafety and biosecurity protocols, data collection systems, and Standard Operating Procedures (SOPs) established.



Fleming Fellows strengthened skills in AMR methods, AMR quality control practices and genomics to support the implementation of technology in the NHL.



Fleming Fellows provided technical advocacy, mentoring and training sessions in Laboratory Quality Management System, auditing of AMU data in the hospital, and data collection and analysis to pharmacists, scientists and fellows in the ministries.



Fleming Fellows developed briefs to address different aspects of AMR policy and practice in Timor-Leste.



In HH, Fleming Fellows supported the development of protocols and SOP for AMR biorepository procedures and carbapenem inactivation method testing at the NHL.



Supported data sharing for global AMR planning and advocacy to provide policy-makers with evidence to make robust, data-based policy recommendations.

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4 data sharing AMR/AMC agreements, yielding collection of AMR and AMC data between 2016-2019.



The Fleming Fund

