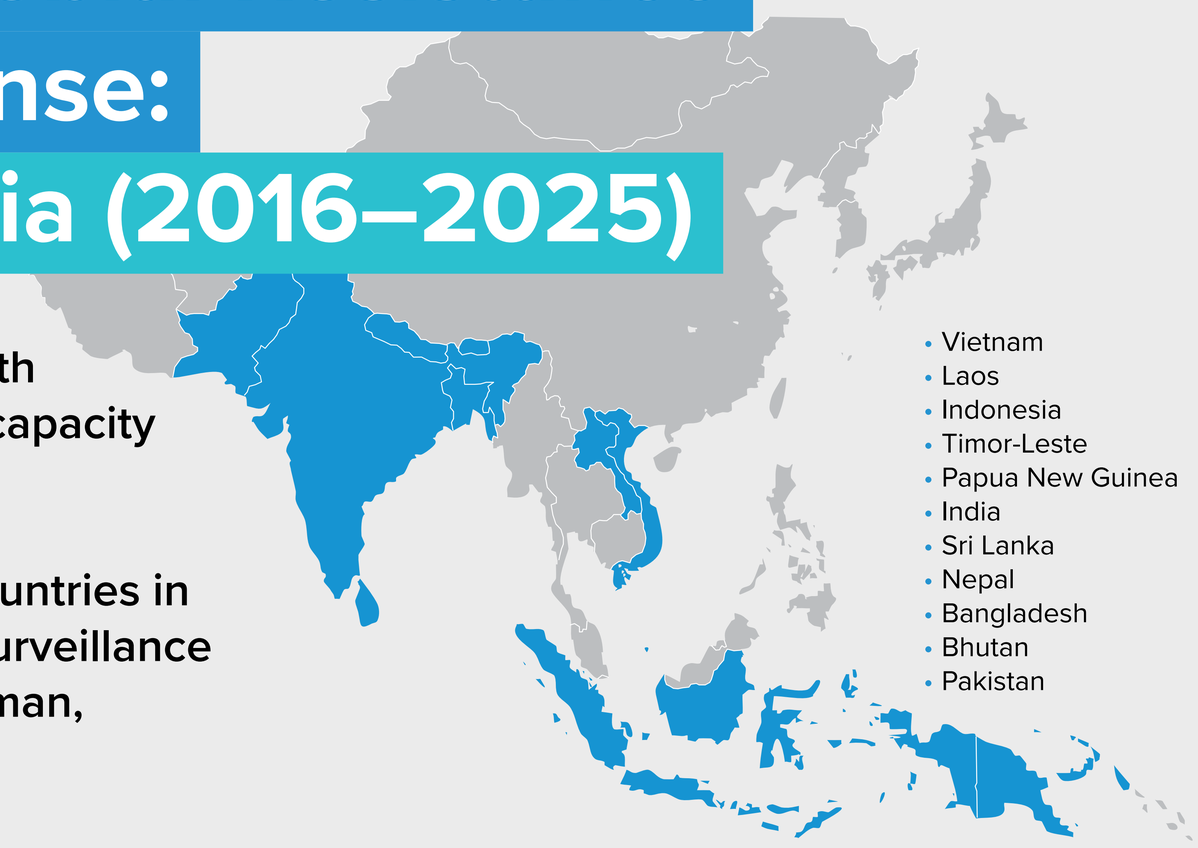
RES-301

APCCMI2025 BANGKOK

Strengthening Antimicrobial Resistance Surveillance and Response: The Fleming Fund in Asia (2016–2025)

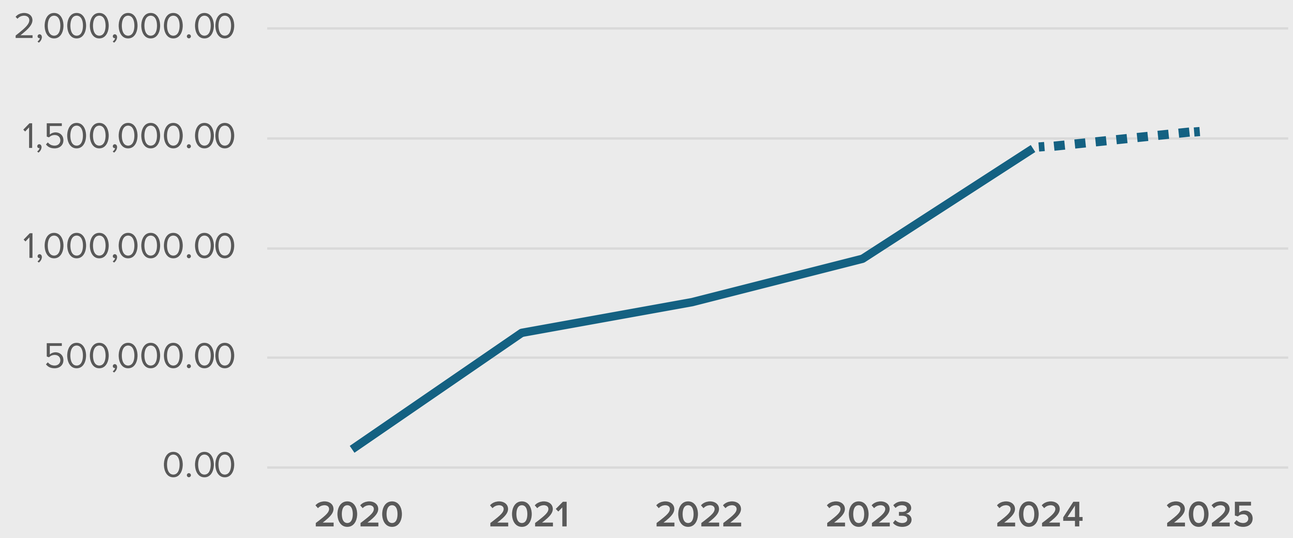
Antimicrobial resistance (AMR) is a critical global health threat, especially in countries with limited laboratory capacity and surveillance systems.

Since 2016, the UK Fleming Fund has supported 11 countries in South and Southeast Asia to build sustainable AMR surveillance programs, using a One Health approach that links human, animal, and environmental health.

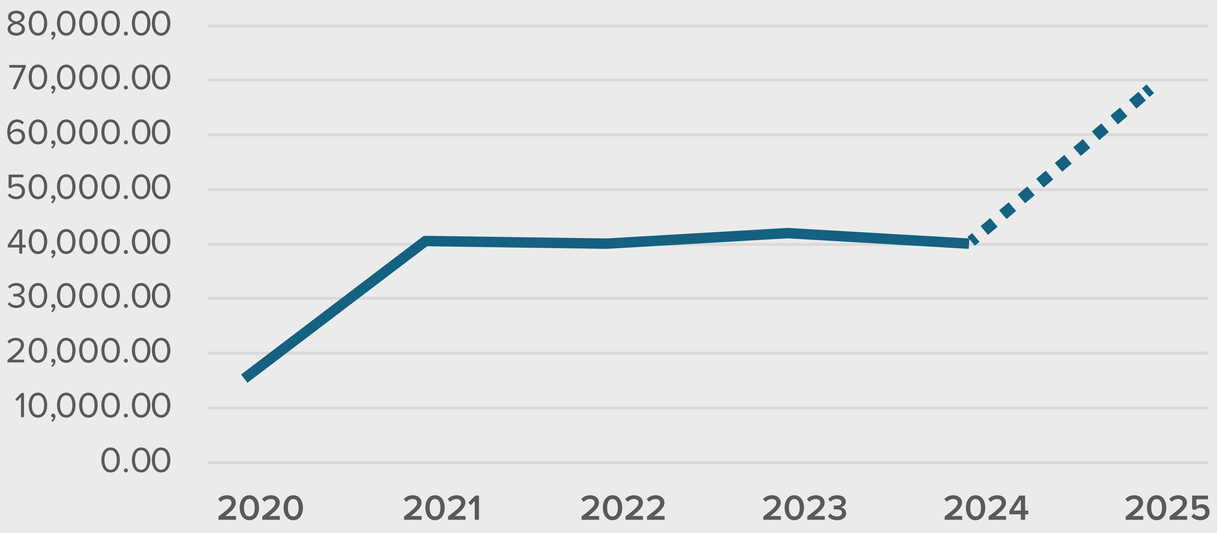


- Vietnam
- Laos
- Indonesia
- Timor-Leste
- Papua New Guinea
- India
- Sri Lanka
- Nepal
- Bangladesh
- Bhutan
- Pakistan

Number of microbiology samples processed: human



Number of microbiology samples processed: animal health, environment, food safety



150
Microbiology laboratory capabilities
laboratories implemented or improved microbiology capacity

11
Data production and sharing
countries submitted data to WHO GLASS

5
National Action Plans (NAPs)
countries developed and/or revised AMR National Action Plans

27,110
Personnel training
training attendances were logged

85
Infrastructure improvement
labs upgraded infrastructure for safe, good-quality microbiology

101
Advanced laboratory equipment
automated platforms and MALDI-TOFs were installed.

186
Fellowships
fellowships were completed in multiple disciplines

91%
Capacity improvement
of labs improved microbiology capacity per standardized benchmarks

Over the past decade, Fleming Fund investments have expanded laboratory capacities and networks, upgraded infrastructure, trained thousands of professionals, and improved data production, management and use for AMR surveillance.

Countries now contribute to WHO GLASS and have strengthened their AMR National Action Plans. Sustaining these gains requires national ownership, multisectoral collaboration, and integration of AMR data into clinical and policy decisions.

Collecting veterinary samples for culture, identification and susceptibility testing

Laboratory staff in facility with automated blood culture and freezer equipment

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