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Nigeria

Seeing environmental AMR: evidence, surveillance & research



Ducit Blue FOUNDATION | HQS Health Quality Solutions | SOUTH CENTRE

Mapping AMR Risk Hotspots, Mobilising Youth: A One Health Approach

Implementing a replicable One Health capacity-building framework at Ladoke Akintola University of Technology (LAUTECH) & University of Nigeria (UNN)

1. BACKGROUND

Global AMR strategies feel disconnected from campus realities. On populated campuses, students live alongside unrecognised AMR risks, such as open drains and improper waste disposal, that drive resistance through overlooked One Health pathways.

2. THE INTERVENTION OBJECTIVE

Bridge the gap by building a structured, replicable model that empowers student volunteers to visually identify local risks, co-design realistic "small fixes," and translate findings into visible community action.

INSTRUCTIONAL DESIGN & IMPLEMENTATION PATHWAY

STAGE 01 — TRAIN & EQUIP



Volunteers organized into five thematic teams (Water, Waste, Medicines, Animals, Food) and trained on identifying physical AMR pathways.

77
Student Volunteers Trained

STAGE 02 — APPLY (MAPPING)



Teams conducted 2-day participatory campus mapping & walks, using photography to document where daily routines intersect with AMR spread.

148
AMR Risk Points (74 LAUTECH | 74 UNN)

STAGE 03 — IMPLEMENT



Students applied their training by leading on-site dialogues with community members to co-create solutions for identified risks.

5
Thematic Pathways Addressed

STAGE 04 — PRODUCE RESULTS



Findings translated into public AMR One Health murals, driving visible commitments from university management.

107 Attendees · **94** Action Pledges

IMPLICATIONS

- This youth-led mapping model provides a practical, scalable framework across other Nigeria universities (supporting Nigeria NAP 2.0) and beyond (regionally), while building a pipeline of future One Health leaders.
- Scale-up ongoing through the AMR-Connect Campus Initiative.

Scan for Digital Exhibit

On-site implementation by AMR Club LAUTECH & AMR Club UNN