Antimicrobial Resistance in Vietnam: Towards Community-Based Interventions and Systematic Review

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Introduction
• Antimicrobial resistance (AMR) remains a global concern
• 30HN study aims to target inappropriate antibiotic use in rural Vietnamese communities

Objective of Internship
I wanted to increase exposure to different practices in health care, connect with globally diverse health organizations, and broaden knowledge of ongoing clinical research.

Work Profile
• Captured photos at an AMR community stakeholder meeting in Nam Định province
• Attended AMS meetings with hospitals in the districts of Hải Hậu and Xuân Trường
• Documented details of drug photos collected from household survey
• Created an ongoing systematic review on AMR in the environment

Reflection
30HN Study on Antibiotic Use
• Perspectives of different stakeholders need to be weighed holistically
• Careful framing of questions is crucial in interventions that involve surveys or participatory action
• Intervention success for AMS should not only be measured by repeated surveys, but also by improved capabilities for human resources

Systematic Review on Environmental AMR
• No previous study on environmental AMR on such large temporal and spatial scales
• Livestock farming commonly appears in article searches related to environmental AMR
• Rationale behind decisions need to be deliberate and documented

Looking Ahead
• Registration of systematic review protocol for assessing environmental AMR research
• Continued collaboration with OUCRU related to antibiotic use behaviors in the rural communities of Nam Định province

Questions
• How can 30HN be applied to other rural communities in Vietnam and in other countries?
• In a One Health approach, how can the systematic review be applied to AMR in animals or healthy humans?
• Is it possible to link these AMR estimates with climate data?

Conclusion
Effective strategies and interventions against the global challenge of antimicrobial resistance require community-level engagement, education, and research initiatives.

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