

The Global Landscape of Antimicrobial Resistance in The Environment

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Funded by CHW under the Health Grand Challenges Program

Introduction

- Antimicrobial resistance (AMR) is an urgent and leading health concern.
- OUCRU Hanoi focuses on antibiotic stewardship, guiding better prescribing, health messaging to the public, and community engagement
- One Health approach

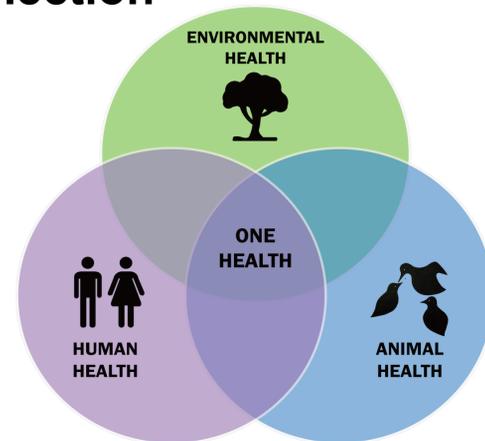
Objective of Internship

- To plan and perform a systematic review (secondary data analysis) on the global landscape of antimicrobial resistance (AMR) in the environment.
- *What is the prevalence of antimicrobial resistance (AMR) in different bacteria in the environment, and how has this changed over time?*

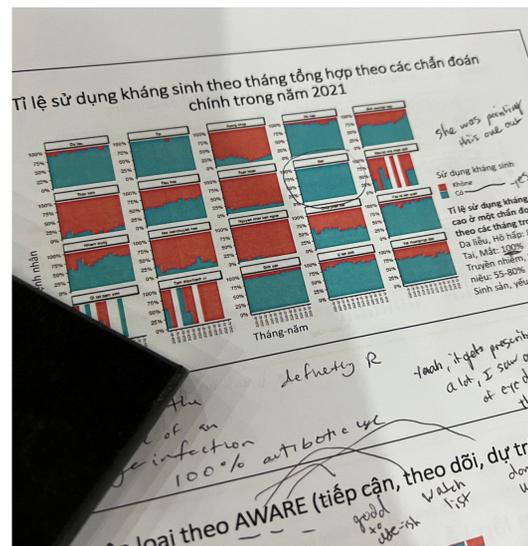
Work profile

- Map out the framework and timeline for the systematic review
- Create search terms and run searches
- Extract and screen data

Reflection



- Working in collaboration with people across the globe such as Vietnam, England, Australia, and the U.S.
- The process of research



Some informal notes and translations taken at an academic meeting.

- Attended academic meetings in different regions of Vietnam.
- Spread awareness and suggest interventions to reduce the impact of AMR.
- Helped with data collection



Picture taken at team presentation at a regional hospital outside of Hanoi.

- Spending time in a foreign country was both and humbling.
- Learning about and experiencing new foods, culture, language, history, and sights.



Eating with coworkers. Pictured left to right: Nam Nguyen, Isaac Yi, Andrew Tran.

Looking ahead

- Use skills learned throughout this internship for future research.
- AMR is a personal interest for senior thesis.

Questions

- Retrospective work to be done.
- Will be keeping in touch with OUCRU and helping out where ever needed.
- Final results.

Conclusion

- Valuable, humbling experience, immersing myself in a different culture.

Acknowledgements

I would like to acknowledge and thank OUCRU, Sonia Lewycka, and my coworkers for their support and guidance this summer. I would also like to thank the Center for Health and Wellbeing and the Health Grand Challenges program for allowing me to experience this once in a lifetime opportunity.