**Work profile**

**Overall Goals:** "The One Health Trust (OHT) uses research and stakeholder engagement to improve the health and well-being of our planet and its inhabitants." (One Health Trust)

- Communications, Interdisciplinary work to combat disease and antimicrobial resistance
  - antimicrobial resistance
  - low vaccination rates
  - infectious diseases
- Working with policymakers to draft relevant and applicable communications and strategies.

**Objective of Internship**

Collecting useful information and data metrics for various low-income countries in order to later facilitate important conversations on how to better increase vaccination coverage.

**Introduction**

- Gathering information on South Africa and India, specifically which diseases are prevalent, general trends, spatial distribution, disease burdens, and vaccination coverage rates.
- OHT will be serving as a technical support, providing estimations and metrics to help guide policy making.
- Working on finding expert opinions and forms of literature which explain the status of antimicrobial resistance worldwide.

**Reflection**

- This summer, I was able to communicate with various OHT officials, work on gathering information from various sources, read and summarize articles, papers, and various literatures in order to provide context to data.
- During this internship, I was able to learn various research methods and procedures, as well as how to effectively present information and data based on context.

- After completing thorough research using the World Health Organization Immunization Dashboard and Global Burden of Disease, I was able to compile a large database of information for the organization to use.
- With new conversations and meetings beginning soon with these countries, this research will help provide support for claims.

- Furthermore, we were able to begin an investigation into various journals, articles, and other forms of literature which represented the issue of antimicrobial resistance in various countries.
- Looking at key terms, such as “antifungal resistance,” and “invasive fungal infections”, we were able to begin a compilation which will allow to gain contextual and scientific understanding of the progress in this field.
- I gained experience I did not previously have in terms of public health research and analysis.

**Questions**

- What are the main factors leading to low vaccination coverage rates and high burden of infectious diseases in low-income countries? What do the statistics show?
- How can we tackle the issue of misinformation and a lack of understanding regarding antimicrobial resistance?

**Looking ahead**

- I hope to continue working with the organization in various capacities, to learn how the process continues until policy making.
- This experience has been extremely insightful into the various aspects of global health and public policy, informing my decision on my concentration and studies even further.

**Conclusion**

- Based on this experience, I have been able to recognize trends within specific countries, and the skills and perspectives used are extremely relevant to public health overall.
- It has also allowed me to gain further interest in mapping out distributions based on geographic locations and various factors such as age, gender, sexual orientation, and socioeconomic status.
- Recognizing the need to bridge the gap between completion of research and communication.

**Acknowledgements**

I would like to acknowledge the GHP Program for their continued support, as well as my supervisor Dr. Erta Kalanxhi, Dr. Ramanan Laxminarayan for his allowance for me to be a part of internship, and the CCDEP/OHT organization for their support.