Aung Myo **Htut**

Portland, Maine

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Dedicated epidemiologist committed to addressing public health challenges and reducing health inequities through data-driven solutions. This resume itself is a testament to that approach, compiled using code and leveraging data science techniques.

Professional Summary

Epidemiologist with extensive experience in data analysis and public health program evaluation to address health inequities by using biostatistics and data science. Skilled in R programming and adept at creating interactive data visualization tools using R Shiny and Power BI, facilitating informed decision-making and policy development. Demonstrates strong capabilities in managing and evaluating healthcare programs across diverse settings, delivering actionable insights to enhance public health outcomes. Seeking to apply expertise in an inclusive academic or public service role.

Skills

Communication: Literature Review ● Report Writing ● Presentation ● Manuscript Writing

Data Visualizaiton: R Shiny ● Power BI ● Tableau

Database and Data Collection: Red Cap ● Qualtrics ● Google Forms

Microsoft Office: Excel ● Word ● Power Points ● Outlook ● OneNote ● Teams

Programming: R ● STATA ● SPSS ● ArcGIS

Statistics and Data Science: Statistical modelling ● Reproducible research ● Survival Analysis ● Machine Learning ● Epidemiology methods

Version Control: Git

Experience

City of Portland Health and Human Services
Portland, ME

EPIDEMIOLOGIST — *May 2024 —- Present*

- Oversee the monitoring and evaluation of public health data for needle exchange program and health equity program.
- Analyzed social determinants of health for the City of Portland using data from U.S. Census Bureau and American Community Survey.
- Designed and implemented interactive dashboards using R shiny and Power BI to present data on program outcomes and to support decision-making acros public health initiatives.

Washington University School of Medicine
St. Louis, MO

GRDUATE RESEARCH ASSISTANT — *Sep 2022 —- May 2023*

- Conducted systematic literature reviews of peer-reviewed journals related to aspirin use for primary and secondary prevention of CSD.
- Analyzed 17,000 + records from NHANES dataset using STATA to generate report insights on the correlates and trends of Aspirin use and presented it to PI and the team.
- Assisted in creation of progress reports for structured team meetings and modeled regression tables outputs using Microsoft Excel and aided in creation of manuscripts by writing and editing the said manuscript.

Washington University School of Medicine
St. Louis, MO

EPIDEMIOLOGY INTERN — *Jun 2022 —- Aug 2023*

- Conducted literature reviews and synthesized findings from over 50 scholarly articles to support the development of research project framework and illustrated statistical methods on longitudinal data of Clonal Hematopoiesis and Obesity.
- Aided in the cleaning data of 8000+ records from UK Biobank and assessed the relationship between BMI/BMI trajectories and clonal hematopoiesis in R.
- Created tables and figures to show trajectories of body weight in patients with clonal hematopoiesis of the last 10 years and presented the findings to the team and the principal investigator

World Health Organization
Moulmein, Myanmar

MONITORING AND EVALUATION OFFICER
Jul 2020 —- May 2021

- Conducted M & E visits to townships and rural health centers in Mon State to ensure effective and timely interventions of project activities and acted as project evaluator.
- Directed and mentored a diverse group of basic health staff and auxillary midwives to ensure the quality and integrity of data collection.
- Served as the main liaison between WHO, state health department and field staff to ensure seamless coordination and successful project implementation.

Clinton Health Access Initiatives
Yangon, Myanmar

PROGRAM ANALYST
Dec 2019 —- Jun 2020

- Coordinated with National TB program and Maternal and Child Health Program in Myanmar to effectively implement TB ACF activities in pregnant women and under 5 chldren.
- Aided in the development of workplans, tools and materials related to the project.

Pyi Gyi Khin Organization
Yangon, Myanmar

PROGRAM OFFICER
Jun 2017 —- Dec 2019

- Provided technical and operational support with regards to TB and MDR-TB to program implementation team.
- Ensured preparation of timely activities fund request and certifying for activities expenses as per approved budgets to provide supports to 3000+ MDR-TB patients in Yangon every month.
- Utilized project management tools, including Work Plans, M&E plans and participated in project and budget review process to effectively manage 300,000 USD for 3-year MDR-TB project.

Population Services International
Lashio, Myanmar

HEALTH SERVICES OFFICER
Aug 2015 —- May 2017

- Managed overall project implementation of malaria and TB projects through community volunteers
- Tracked monthly achievements vs targets, monitored quality assurance and tracked activities of program implementation through regular monitoring visits.
- Conducted monthly field monitoring visits to support successful implementation of project activities.

500-bedded Teaching Hospitals
Taunggyi, Myanmar

PHYSICIAN INTERN
Jul 2014 —- Jun 2015

- Provided direct patient care, including diagnosis, treatment, and management of acute and chronic conditions across medical, surgical, O&G, and pediatric wards under the supervision and guidance of senior physicians.
- Performed history taking, physical examinations, ordered required lab test, daily ward rounds, and documented patient progress and presented to senior/consultant physicians.
- Managed patient admissions, discharges, and follow-up care, while communicating effectively with patients and families to ensure understanding of medical conditions and treatment plans.
- Engaged in continuous medical education, participating in case discussions, journal clubs, and presentations on diverse disease topics to stay updated with the latest clinical practices.

Education

Washington University in St. Louis
St. Louis, MO

MPH, EPIDEMIOLOGY AND BIOSTATISTICS
2023

University of Medicine, Magway
Magway, Myanmar

MBBS, MEDICINE
2015

Scholarship

USAID Burma

LINCOLN SCHOLARSHIP
2021

Washington University in St. Louis

BROWN SCHOOL SCHOLARSHIP
2021

Kennesaw State University

YSEALI ACADEMIC FELLOWSHIP
2018

Professional Affilications

National Association of County and City of Health Officials (NACCHO)

ACTIVE MEMBER *2024*

Council of State and Territorial Epidemiologists (CSTE)

ACTIVE MEMBER *2024*

Maine Public Health Association (MPHA)

ACTIVE MEMBER *2024*

Professional Affilications

National Association of County and City of Health Officials (NACCHO)

ACTIVE MEMBER *2024*

Council of State and Territorial Epidemiologists (CSTE)