

Aung Myo Htut

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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 Visualization: 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

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| May 2024 — Present | Epidemiologist
Portland, ME | City of Portland Health and Human Services |
| | <ul style="list-style-type: none">• 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 across public health initiatives. | |
| Sep 2022 — May 2023 | Graduate Research Assistant
St. Louis, MO | Washington University School of Medicine |
| | <ul style="list-style-type: none">• 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. | |
| Jun 2022 — Aug 2023 | Epidemiology Intern
St. Louis, MO | Washington University School of Medicine |
| | <ul style="list-style-type: none">• 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. | |
| Jul 2020 — May 2021 | Monitoring and Evaluation Officer
Moulmein, Myanmar | World Health Organization |
| | <ul style="list-style-type: none">• 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 auxiliary 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. | |

Dec 2019 — Jun 2020	Program Analyst Yangon, Myanmar	Clinton Health Access Initiatives
	<ul style="list-style-type: none"> 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 children. Aided in the development of workplans, tools and materials related to the project. 	
Jun 2017 — Dec 2019	Program Officer Yangon, Myanmar	Pyi Gyi Khin Organization
	<ul style="list-style-type: none"> 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. 	
Aug 2015 — May 2017	Health Services Officer Lashio, Myanmar	Population Services International
	<ul style="list-style-type: none"> 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. 	
Jul 2014 — Jun 2015	Physician Intern Taunggyi, Myanmar	500-bedded Teaching Hospitals
	<ul style="list-style-type: none"> 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. 	

Education

2023	MPH, Epidemiology and Biostatistics St. Louis, MO	Washington University in St. Louis
2015	MBBS, Medicine Magway, Myanmar	University of Medicine, Magway

Scholarship

2021	Lincoln scholarship	USAID Burma
2021	Brown school scholarship	Washington University in St. Louis
2018	YSEALI academic fellowship	Kennesaw State University

Professional Affiliations

2024	Active Member	National Association of County and City of Health Officials (NACCHO)
2024	Active Member	Council of State and Territorial Epidemiologists (CSTE)

2024	Active Member	Maine Public Health Association (MPHA)
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