

Myo Minn Oo

MBBS, PH.D.

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<https://www.swisstph.ch/fr/staff/profile/people/myo-minn-oo/>

EDUCATION

Prince of Songkla University

Hat Yai, Thailand

PH.D. IN EPIDEMIOLOGY

2018 - 2022

- Dissertation Title: "Myanmar Migrants with Tuberculosis: Health Insurance, Delays in Access to Healthcare, Model of Care on Treatment Outcomes and Quality of Life in a Border Area of Thailand and Myanmar."
- Committee members: Drs. François Henry Nosten (Chair), Tippawan Liabsuetrakul (Advisor), Virasakdi Chongsuvivatwong, Sawitri Assanangkornchai, Wit Wichaidit.
- Passed with the Excellent level of evaluation

The Union and MSF Luxembourg supported by WHO-TDR

Nepal and Sri Lanka

STATEMENT OF COMPLETION IN SORT-IT RESEARCH COURSE

2015

- Research project: "Alarming attrition rates among HIV-infected individuals in pre-antiretroviral therapy care in Myanmar, 2011–2014" (doi: 10.3402/gha.v9.31280)

Mandalay University of Medicine

Mandalay, Myanmar/Burma

MBBS (MEDICINE, SURGERY, PEDIATRICS, OBSTETRICS AND GYNAECOLOGY)

2007 - 2012

RESEARCH

Infectious Disease Epidemiology, Modelling, Health Systems Research, Research Methods

Operational Research, Sexual & Reproductive Health, Aging and Chronic Diseases.

Swiss Tropical and Public Health Institute (University of Basel)

Basel, Switzerland

POSTDOCTORAL SCIENTIFIC COLLABORATOR

Aug 2021 - Present

Papua New Guinea Institute of Medical Research

Goroka, Papua New Guinea

SENIOR RESEARCH FELLOW

Aug 2021 - Present

- Lead different evaluation projects for their successful and timely delivery
- Evaluate the National Malaria Control Program
- Provide technical consultations to the Institute and to National Technical Working Group (Malaria)

Prince of Songkla University

Hat Yai, Thailand

PH.D. CANDIDATE

Aug 2018 - Present

- Examined effects of health system, individual, and social factors on quality of life, stigma, and treatment outcomes in Myanmar TB migrants at a border area
- Characterized the impact of health insurance, legal status, COVID-19 border policy and other variables on outcomes

The Union, South-East Asia Office

New Delhi

RESEARCH FELLOW & TECHNICAL AIDE (BASED IN MYANMAR/BURMA)

Aug 2016 - Jul 2018

- Conducted and mentored 20+ research projects in Myanmar, Bhutan, Nepal, India, and China
- Produced 25+ research outputs in international peer-reviewed journals
- Facilitated a 3rd National SORT-IT course and a TB Research Agenda workshop in Myanmar

The Union, Country Office

Myanmar/Burma

MONITORING AND EVALUATION OFFICER/MANAGER

May 2014 - Jul 2016

- Examined the attrition rates and evaluated the tracing system in place for 35,000+ HIV patients
- Supervised the Monitoring and Evaluation of the HIV program

The Union, Country Office

Myanmar/Burma

MEDICAL OFFICER

Feb 2014 - Dec 2015

- Performed outpatient consultations to 50+ TB/HIV patients daily
- Prescribed anti-retroviral drugs and other essential treatments
- Analyzed and wrote an abstract on survival analysis of HIV patients at the program

GRANTS AND HONORS

Thailand Education Hub for ASEAN Countries (THE-AC)

PH.D. FELLOWSHIP

- Full three year scholarship for Doctoral Study in Epidemiology

Prince of Songkla University

Aug 2018 - Jul 2021

Fogarty International Center, National Institutes of Health, US

RESEARCH GRANT (GRANT NUMBER: D43TW009522)

- TB Fieldwork in the border area
- Funding amount: \$4,000

Thailand

Jul 2019 - Jan 2021

Health System Research Institute (HSRI), Thailand

RESEARCH GRANT (GRANT NUMBER: 62-082)

- Providing policy documents regarding health insurance, legal status, and their impacts on health conditions among Myanmar migrants in Thailand
- Funding amount: \$20,000 USD

Thailand

Jul 2019 - Jan 2021

13th International Post Graduate Forum on Health System and Policy

BEST ORAL PRESENTATION AWARD

- Prize: \$100 USD

Yogyakarta, Indonesia

Jul 2019

The International AIDS Society

ABSTRACT MENTOR

- Mentoring abstracts to increase their chance of being accepted

The International AIDS Society

Conferences

2016 - Present

Center for Operational Research, The Union

RESEARCH FELLOW

- Promoting evidence-based policy changes through operational research

Myanmar/Burma

Aug 2016 - Jul 2018

The Union & MSF Luxembourg supported by WHO-TDR

MENTOR

- Promoting evidence-based policy changes through operational research

Sri Lanka, China, Myanmar

2016 - 2018

WORKS IN PROGRESS

International Journal Against Tuberculosis and Lung Disease

EFFECTS OF INSURANCE, DELAY, AND CARE ON TREATMENT SUCCESS AMONG MYANMAR MIGRANTS WITH TB IN THAILAND

Article manuscript in progress

Peer Review (2nd time)

In progress

UPTAKE OF HEALTH INSURANCE AND OUT-OF-POCKET EXPENDITURES AMONG MYANMAR MIGRANTS WITH TB

Article manuscript in progress

Data Analysis and Writing

In progress

CROSS-BORDER COLLABORATION, HEALTH SYSTEM STRENGTHENING, TB, AND MYANMAR MIGRANTS: EVIDENCE FROM THE BORDER AREA

Commentary

Data Analysis and Writing

PRESENTATIONS

14th Postgraduate Forum of Health Systems and Policy

HEALTH INSURANCE AND OUT-OF-POCKET EXPENDITURE FROM SYMPTOMS TO TUBERCULOSIS DIAGNOSIS AMONG MYANMAR MIGRANTS IN A BORDER AREA OF THAILAND

- Oral

Virtual

Dec 2020

51st Union World Conference on Lung Health

COVERAGE OF HEALTH INSURANCE SCHEMES AMONG MYANMAR MIGRANTS WITH TUBERCULOSIS IN A BORDER AREA OF THAILAND AND ITS ASSOCIATED FACTORS: AN INTERIM ANALYSIS

- Poster

Virtual

Oct 2020

US CDC Migration Summit (In collaboration with NCID)

CROSS-BORDER TB REFERRAL SYSTEM: A CASE STUDY FROM THAILAND

- Oral

Singapore

Nov 2019

7th International Health Literacy Conferenc

Vietnam

TUBERCULOSIS LITERACY AND COMPLETION OF HOUSEHOLD CONTACT INVESTIGATIONS: A HOUSEHOLD-BASED SURVEY FROM SOUTHERN THAILAND

Nov 2019

- Poster

13th Postgraduate Forum of Health Systems and Policy

Indonesia

UNSUCCESSFUL TREATMENT OUTCOMES AFTER ORAL DIRECT-ACTING ANTIVIRALS IN PEOPLE WITH CHRONIC HEPATITIS C VIRUS INFECTION AND ITS ASSOCIATED FACTORS

Jul 2019

- Oral

Ph.D. Candidate examination

Thailand

UNSUCCESSFUL TREATMENT OUTCOMES AFTER ORAL DIRECT-ACTING ANTIVIRALS IN PEOPLE WITH CHRONIC HEPATITIS C VIRUS INFECTION AND ITS ASSOCIATED FACTORS

Feb 2019

- Oral

PUBLICATIONS

SELECTED PUBLICATIONS

Full List of 30+ research outputs on Google Scholar:
<https://scholar.google.com/citations?user=IWzz0rUAAAAJ&hl=en>

Feng, N., Edwards, J. K., Owiti, P. O., Zhang, G.-M., Vallejo, Z. V. R., Hann, K., ... Ma, C. (2021). Operational research capacity building through the Structured Operational Research Training Initiative (SORT-IT) in China: implementation, outcomes and challenges. *Infectious Diseases of Poverty*, 10(1), 1–4.

Oo, M. M., Boonathapat, N., Aung, H. K. K., Pungrassami, P., & Liabsuetrakul, T. (2021). Changes in health-related quality of life and the associated factors among Myanmar migrants with tuberculosis: a cohort study. *BMC Infectious Diseases*, 21(1), 377. <https://doi.org/10.1186/s12879-021-06070-2>

Oo, M. M., Liabsuetrakul, T., Boonathapat, N., Aung, H. K. K., & Pungrassami, P. (2021). Association of Health Insurance and Documentation with Stigma and Social Support Among Myanmar Migrants with Tuberculosis Before and During Thailand's Policy on Border Closure Due to COVID-19: a Cross-Sectional Study. *Journal of Racial and Ethnic Health Disparities*. <https://doi.org/10.1007/s40615-021-01185-3>

Oo, M. M., Tassanakijpanich, N., Phyu, M. H., Safira, N., Kandel, S., Chumchuen, K., ... McNeil, E. B. (2020). Coverage of tuberculosis and diabetes mellitus screening among household contacts of tuberculosis patients: a household-based cross-sectional survey from Southern Thailand. *BMC Public Health*, 20(1), 957. <https://doi.org/10.1186/s12889-020-09090-w>

Oo, M. M., Tun, N. A., Lin, X., & Lucero-Prisno 3rd, D. E. (2020). COVID-19 in Myanmar: Spread, actions and opportunities for peace and stability. *Journal of Global Health*, 10(2), 20374. <https://doi.org/10.7189/jogh.10.020374>

Pelzom, D., Isaakidis, P., Oo, M. M., Gurung, M. S., & Yangchen, P. (2017). Alarming prevalence and clustering of modifiable noncommunicable disease risk factors among adults in Bhutan: a nationwide cross-sectional community survey. *BMC Public Health*, 17(1), 975. <https://doi.org/10.1186/s12889-017-4989-x>

BOOKS

Oo, M. M. (2020). *A beginner guide to research data collection using EpiData*. <https://www.amazon.com/Beginner-Guide-Research-collection-EpiData/dp/B08F7M67QP>: Amazon Self-Publishing.

R PACKAGES

Oo, M. M. (2021). *u5mr: Under-five child mortality estimation*. Retrieved from <https://CRAN.R-project.org/package=u5mr>

Oo, M. M. (2020). *mStats: Medical data analysis*. Retrieved from <https://CRAN.R-project.org/package=mStats>. Over 4K download.

TEACHING

Swiss Tropical and Public Health Institute

Basel, Switzerland

INVITED SPEAKER

Oct 2021

- Shared personal and research experience in a class on Migration and Tropical diseases

Global Public Service Academies Program (USA)

INSTRUCTOR

- Taught classes on migration and public health to high school students from Japan, Australia, Canada, and US

Mae Sot, Thailand

Oct 2019 - Feb 2020

University of Community Health

INVITED LECTURER

- Taught staffs a two-day training on Applied Medical Statistics Using R

Myanmar/Burma

Feb 2019

SORT IT course

MENTOR

- Mentored 20+ international participants
- Taught Basic Data Management and Statistics
- Developed and taught a lecture on Effective Research Communication using Infographic

Sri Lanka, China, Myanmar/Burma

2016 - 2018

SKILLS

Communication: presentations • data to policy • dashboard design (Shiny) • data analysis reports (Rmarkdown) • data visualization (ggplot2, arcGIS, qGIS) • peer-reviewed publications (journal, conference)

Language: English (C2) • English (C2) • Chinese (A2) • Burmese (Native) • Lisu (Native) • Thai (A2) • French (A1) • Tok Pisin (A1)

Programming Languages: R • Python • SQL • Matlab • Web (HTML, CSS) • JAVA

Research: systematic review • meta-analysis • Epidemiology in TB (Mahidol University, 2019) • Lab Training in TB Microbiology (Mahidol University, 2019) • Cohort study design and analysis • Epidemiology in Public Health Practice Specialization (Johns Hopkins Bloomberg School of Public Health, 2020)

Software Development: source control (Git) • automated testing (Travis CI)

Statistics: longitudinal data analysis • data analysis • causal inference with directed acyclic graphs • meta-analysis • epidemiological methods • under-five mortality estimation • experimental design • survey methodology • reproducible research • The Data Scientist's Toolbox (The Johns Hopkins University)

Web Hosting: Netlify, GitHub

SERVICES

Affiliate: Prince of Songkla University (Aug 2018 - Present)

Editorial Board: Public Health Challenges (2021 - Present)

Member: National Technical Working Group (Malaria) (Aug 2021 - Present) • PNGIMR Research Network (Aug 2021 - Present) • SORT-IT OR Network, Myanmar Society of Epidemiology (MSE), Myanmar Medical Association (MMA) (2016 - Present)

Mentor: The International AIDS Society Conferences (2016 - Present)

Postdoctoral Scientific Collaborator: Swiss Tropical and Public Health Institute (Aug 2021 - Present)

Reviewer: International peer-reviewed journals (2016 - Present)

Senior Research Fellow: Papua New Guinea Institute of Medical Research (Aug 2021 - Present)

Note

This document is written in markdown and auto-generated using vitae package and custom LaTeX template from Sam Abott. All the source code behind this CV is available on this GitHub repo.