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Department of Epidemiology and Public Health**Swiss Tropical and Public Health Institute**

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Malaria Control Programme**Institute of Medical Research**

Homate Street, 441 Goroka

Papua New Guinea

EDUCATION

Prince of Songkla University**Ph.D., Epidemiology**

Hat Yai, Thailand

Expected March 2022

- Dissertation: “*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*”
- Comprehensive exam: “*Comparison of generic and disease-specific measurements on the health-related quality of life among TB patients: systematic review and meta-analysis*”
- Committee: François Henry Nosten (Chair), Tippawan Liabsuetrakul (Advisor),
Virasakdi Chongsuvivatwong, Sawitri Assanangkornchai, Wit Wichaidit
(Passed with the Excellent level of evaluation)

WHO TDR, The Union, and MSF Luxembourg**Completion Certificate of SORT-IT course**

Colombo, Sri Lanka

December 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](https://doi.org/10.3402/gha.v9.31280))

Mandalay University of Medicine**MBBS, Major: Medicine and Surgery**

Myanmar (Burma)

March 2013

RESEARCH INTERESTS

Infectious disease epidemiology
ModellingHealth Systems Research
Operational ResearchSexual & Reproductive Health
Aging and Chronic Diseases

RESEARCH AND LEADERSHIP EXPERIENCE

Swiss Tropical and Public Health Institute**University of Basel***Postdoctoral Scientific Collaborator***Switzerland**

2021-Present

Papua New Guinea Institute of Medical Research*Senior Research Fellow & Head of Malaria Control Programme*

Papua New Guinea

2021-Present

- Lead the programme for successful and timely delivery of project grants
- Provide technical consultations to the Institute and to National Technical Working Group (Malaria)
- Engage with local and national stakeholders

Prince of Songkla University*Ph.D. Candidate with Advisor Prof. Tippawan Liabsuetrakul*

Thailand

2018-2021

- Examined effects of health system, individual, and social factors on quality of life, stigma, and treatment outcomes in Myanmar TB migrants
- Conducted a longitudinal study with repeated measures at four time points
- Characterized the impact of health insurance, legal status, COVID-19 border policy and other variables on outcomes

The Union, South-East Asia Office*Research Fellow & Technical Aide (based in Myanmar/Burma)*

New Delhi

2016-2018

- Produced 25+ research outputs in international peer-reviewed journals
- Conducted and supervised 20+ research projects in Myanmar, Bhutan, Nepal, India, and China

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- Led and facilitated TB Research Priority Agenda workshop in Myanmar
 - Led and facilitated 3rd National SORT-IT course in Myanmar

The Union, Country Office

Myanmar/Burma

Monitoring and Evaluation Officer/Manager

2015-2016

- Examined the attrition rates and tracing system for 35,000+ HIV patients
- Led and managed 20+ members of Monitoring and Evaluation Unit for the HIV program

The Union, Country Office

Myanmar/Burma

HIV Medical Officer

2014-2015

- Performed outpatient consultations to 50+ HIV patients on a clinic day
- Prescribed anti-retroviral drugs and other treatments
- Analyzed and wrote an abstract on survival analysis of HIV patients

GRANTS AND HONORS

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| ▪ Postdoctoral fellowship, Swiss TPH | 2021-Present |
| ▪ Ph.D. fellowship, Thailand Education Hub for ASEAN Countries (THE-AC) | 2018-21 |
| ▪ NIH US research sub-grant for fieldwork at the border area (4,000 USD) | 2019 |
| ▪ Health System Research Institute (HSRI) research grant (~16,000 USD) | 2019 |
| ▪ Best Oral Presentation Award | 2019 |
| ▪ Abstract Mentor Certificate, The International AIDS Society | 2017-21 |
| ▪ Research Fellow, Center for Operational Research, The Union | 2016-18 |
| ▪ Junior Mentor, SORT-IT courses by The Union & MSF Luxembourg under WHO TDR | 2016-18 |

WORKS IN PROGRESS

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- “Effects of insurance, delay, and care on treatment success among Myanmar migrants with TB in Thailand” Article manuscript, accepted for publication in IJTLD
 - “Uptake of health insurance and out-of-pocket expenditures among Myanmar migrants with TB” Article manuscript in progress, data analysis and writing
 - “Cross-border collaboration, health system strengthening, TB, and Myanmar migrants: evidence from the border area” Commentary manuscript, under development

PRESENTATIONS

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- “Health insurance and out-of-pocket expenditure from symptoms to tuberculosis diagnosis among Myanmar migrants in a border area of Thailand”
@ 14th Postgraduate Forum of Health Systems and Policy, December 2020.
 - “Coverage of health insurance schemes among Myanmar migrants with tuberculosis in a border area of Thailand and its associated factors: An interim analysis”
@ 51st Union World Conference on Lung Health, October 2020.
 - “Cross-border TB referral system: a case study from Thailand”
@ CDC Migration Summit, Singapore, November 2019
 - “Tuberculosis literacy and completion of household contact investigations: A household-based survey from Southern Thailand”
@ 7th International Health Literacy Conference, Vietnam, November 2019
 - “Unsuccessful treatment outcomes after oral direct-acting antivirals in people with chronic hepatitis C virus infection and its associated factors”
@ 13th Postgraduate Forum of Health Systems and Policy, July 2019.
@ Ph.D. Candidate examination, February 2019.

SELECTED PUBLICATIONS

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1. **Oo MM**, Liabsuetrakul T, Boonathapat N, Aung HKK, Punggrassami P. *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*. J Racial Ethn Health Disparities. 2021;1-13. doi:10.1007/s40615-021-01185-3

2. **Oo MM**, Boonathapat N, Aung HKK, Punggrassami P, Liabsuetrakul T. *Changes in health-related quality of life and the associated factors among Myanmar migrants with tuberculosis: a cohort study*. BMC Infectious Diseases. 2021;21(1):1-8.
3. Feng N, Edwards JK, Owiti PO, Zhang G-M, Vallejo ZVR, Hann K, **Oo MM**, et al. *Operational research capacity building through the Structured Operational Research Training Initiative (SORT-IT) in China: implementation, outcomes and challenges*. Infectious diseases of poverty. 2021;10(1):1-4.
4. **Oo MM**, Tun NA, Lin X, Lucero-Prisco III DE. *COVID-19 in Myanmar: Spread, actions and opportunities for peace and stability*. Journal of Global Health. 2020;10(2).
5. **Oo MM**, Tassanakijpanich N, Phyu MH, Safira N, Kandel S, Chumchuen K, et al. *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. 2020;20(1):1-10.

See 30+ research outputs on Google Scholar:

<https://scholar.google.com/citations?user=IWzz0rUAAAAJ&hl=en>

TEACHING AND MENTORING

- Invited speaker, class on *Migration and Tropical diseases*, Swiss TPH, 2021
- Instructor, *Migration and Public Health – a case study of TB control at the border area*, Global Public Service Academies Program (USA) (2019-2020)
- Invited lecturer on *Medical Statistics Using R*, University of Community Health, Myanmar (Burma), 2019
- Mentored 20+ international participants in SORT-IT research courses (2016-2018)
Received good remarks from participants and maintained professional research networks
- Instructor, *Basic Data Management and Statistics*, SORT-IT course (2016-2018)
- Instructor, *Effective Research Communication using Infographic*, SORT-IT course (2017-2018); designed and taught the course. Lecture material is still used in ongoing SORT-IT courses.

INTERNATIONAL RESEARCH AND STUDY

- Postdoctoral fellow at Swiss TPH, Switzerland (2021)
- Ph.D. fieldwork in a border area of Thailand (13 months; August 2019 through January 2021)
- Fieldwork for the student project in Phthalang Province, Thailand (January 2019)
- *Epidemiology in TB*, Mahidol University, Thailand (2019)
- *Training in TB Microbiology*, Mahidol University, Thailand (2019)
- Field visit to TB clinic and NCID, Singapore (2019)
- Research mentor at the first Chinese SORT-IT research course, Shanghai (2018)
- Study and research mentor at SORT-IT research courses, Nepal, Sri Lanka, Myanmar (2015-2018)

SKILLS

- Statistical analysis and software (R and Stata) as well as git and GitHub
Developed two R packages: *mStats* (<https://CRAN.R-project.org/package=mStats>)
u5mr (<https://CRAN.R-project.org/package=u5mr>)
- Visualization and modelling of longitudinal data, causal inference with directed acyclic graphs, systematic review & meta-analysis, data to policy
- Advocate for reproducible medical research
- Basic use of Geographic Information Systems and related software (ArcGIS and qGIS)
- Working knowledge of python, JAVA, ACCESS, and other web languages (HTML, CSS, SQL):
<https://myominnoo.github.io/> and <https://mmoo.netlify.app/> are built with R, HTML, and CSS, and hosted on Github and Netlify.
- Language (CEFR level): English (C2), Chinese (A2), Burmese (Native), Lisu (Native), Thai (A2), French (A1), and Tok Pisin (A1)

SERVICE AND AFFILIATIONS

- *Senior Research Fellow*, Institute of Medical Research, Papua New Guinea (2021-Present)
- *Member*, National Technical Working Group (Malaria), Papua New Guinea (2021-Present)
- *Member*, PNGIMR Research Network (2021-Present)
- *Affiliate*, Prince of Songkla University (2018-Present)

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- *Abstract Mentor*, The International AIDS Society Conferences (2016-Present)
 - *Reviewer*, International peer-reviewed journals including PLoS ONE and BMC (2016-Present)
See details on *publons*: <https://publons.com/researcher/1496380/myo-minn-oo/>
 - *Member*, SORT-IT OR Network, Myanmar Society of Epidemiology (MSE), Myanmar Medical Association (MMA)

REFERENCES

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Honorary Prof. Virasakdi Chongsuvivatwong
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Honorary Prof. Anthony Harries
Senior Advisor & Former Director of Research
The Union
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The London School of Hygiene and Tropical
Medicine, UK
adharries@theunion.org

Dr. Suman Majumdar
Co-head, Co-head, Tuberculosis Elimination &
Implementation Science Working Group; Deputy
Program Director, Health Security, Burnet
Institute; Infectious Diseases Specialist and Senior
Fellow, Centre for International Health
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