

MR. WIN KHAING

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PROFESSIONAL SUMMARY

Clinical Epidemiologist with a medical degree background specializing in public health, with 20+ years of experience in teaching epidemiology, biostatistics, and evidence-based practice, as well as research experience and project management

Key Skills

- Conducting diverse epidemiological studies involves designing and executing research utilizing both primary and secondary real-world data sources.
- Evidence Synthesis: Systematic Review and Meta-analysis (including network meta-analysis)
- Epidemiological and Biostatistical Analysis with STATA, R, Python
- Data Management with REDCap, SQL, Kobo Collect, EpiData
- Data Visualization with R, Python, Shiny, Power BI
- Soft skills: Good listener and communicator, Strong analytical with critical thinking and problem solving, Adaptability, Collaborative abilities with teamwork oriented, Effective Time Management, Leadership skills, Organizational and planning skills
- Office Suite: Microsoft 365 Suite (Word, Excel, PowerPoint, Outlook), Google Docs, Google Sheets, Google Slides, Google Drive
- Language skills: English (C1 level), Chinese Mandarin (Fluent), Burmese (Mother language)
- Large Language Model (AI) skills: OpenAI, Claude, Google AI Studio, GitHub Copilot

PROFESSIONAL EXPERIENCE

Senior Research Fellow

27/05/2024 – present

National Center for Infectious Diseases, Tan Tock Seng Hospital, Singapore

A renowned organization committed to excellence in infectious disease prevention, management, research, and education, it is a public government institution dedicated to safeguarding public health.

- Conducted research projects on dengue infections, focusing on the clinical management, diagnosis, prevention, and control of dengue in older adults.

Post Doctoral Research Fellow

20/09/2023 – 31/03/2024

College of Pharmacy – Pharmacotherapy, University of Utah, USA.

A renowned institution committed to excellence in pharmaceutical education, research, and patient care, focusing on advancing drug therapy and improving patient outcomes in USA.

- Health Equity in Cancer Intervention, RSV Economic Burden in Thailand, Real World Evidence of pancreatic exocrine insufficiency, Meta-analysis of Economic Evaluation in Robotic Prostatectomy, Covid Equity Policy CDC CFA, and Network meta-analysis of HIV Resistance Associated Mutations. Contributions resulted in valuable insights and advancements in the field of Pharmcoepidemiology and Health Economics.
- Published scholarly articles in reputable journals, presented research findings at scientific meetings, and delivered engaging presentations, demonstrating a strong commitment to knowledge dissemination and active participation in the academic community.

Senior Epidemiologist

01/03/2023 - 30/06/2023

P-95 SEA Co., Ltd. , Bangkok, Thailand.

A global provider of clinical and epidemiology research solutions with a focus on vaccines and infectious diseases in Belgium, with offices in the Netherlands, Colombia, Johannesburg, and Thailand, with an international team is based across more than 20 countries.

- Conducted research projects on RSV infections in older adults.

Lecturer

01/05/2022 - 30/01/2023

BangkokThonburi University, Bangkok, Thailand.

A prestigious institution dedicated to providing high-quality education, fostering intellectual growth, and preparing students to become future medical professionals in health disciplines.

- Acknowledged for outstanding teaching skills in Biostatistics as a lecturer for undergraduate medical students, adept at designing dynamic learning experiences and cultivating a supportive academic atmosphere.

Lecturer

01/10/2021 - 30/04/2022

ASEAN Institute for Health Development, Mahidol University, Bangkok, Thailand.

A leading organization that promotes collaboration and capacity building to address regional health challenges and improve health outcomes within the ASEAN region.

- Acknowledged for outstanding teaching skills as a lecturer and thesis supervisor for Master of Primary Health Care Management candidates, adept at designing dynamic learning experiences and cultivating a supportive academic atmosphere.

Lecturer to Professor

19/04/2004 - 31/01/2021

University of Medicine, Mandalay, and University of Medicine (2), Yangon, Myanmar (BURMA).

International recognized prestigious institutions dedicated to medical education, research, and healthcare that contribute to advancements in the field and produce highly skilled healthcare professionals.

- Recognized for exceptional teaching abilities as a lecturer and module supervisor, designing and delivering courses on epidemiology, biostatistics, evidence-based medicine, and research methodology. Skilled in creating engaging learning experiences and fostering a conducive academic environment.
- Published scholarly articles in reputable journals, presented research findings at scientific meetings, and delivered engaging presentations, demonstrating a strong commitment to knowledge dissemination and active participation in the academic community.

ADDITIONAL WORK EXPERIENCE

Lecturer / Founder,

01/09/2008 - present

Critical Appraisal of Research Evidence (CARE), Myanmar (BURMA)

- Deliver comprehensive knowledge on Evidence-Based Medicine (EBM) and Critical Appraisal to health professionals, employing teaching methods inspired by Professor Gordon Guyatt, a distinguished EBM pioneer from McMaster University, Canada, for effective knowledge dissemination in both in-person and online modalities.

Research Consultant,

01/09/2008 - present

Myanmar Research Coaching and Consultation Professional for you (MRCP4u), Myanmar (BURMA)

- Providing guidance, support, and expertise to researchers in various aspects of their projects to enhance the quality and impact of their studies.

Protocol Board Member/Secretary, Research Committee,

01/09/2008 - 30/01/2021

University of Medicine, Mandalay and Yangon, Myanmar (BURMA)

- Reviewing research protocols, ensuring compliance with ethical guidelines and regulations, maintaining accurate records and documentation, facilitating communication among committee members, and contributing to the overall integrity and ethical conduct of research studies.

EDUCATION

Doctoral (PhD), Clinical Epidemiology, 24/07/2017 – Passed with GPA 3.83

Mahidol University,

Master of Medical Science (Public Health), 31/12/2006 – Passed with Biostatistics Distinction

University of Medicine, Mandalay, Myanmar (BURMA)

M.B.,B.S. (Bachelor of Medicine, Bachelor of Surgery), 02/02/2003

University of Medicine, Mandalay, Myanmar (BURMA)

DipMedEd (Diploma in Medical Education), 31/12/2019

University of Public Health, Yangon, Myanmar (BURMA)

PROFESSIONAL AFFILIATIONS

- **Society of Infectious Diseases (Singapore)** (Lifetime Member)
- **Cochrane organization, UK** (Member 2023-2026)
- **International Society for Pharmacoeconomics and Outcomes Research (ISPOR)** (Member ID: 3237870)
- **Myanmar Medical Council** (Member ID: 17831)
- **Mandalay Medical Association, Myanmar** (Member ID: 4069)
- **Epidemiology Foundation of India** (Life Membership No. 02630)
- **Preventive and Social Medicine Society, Myanmar** (Membership No. 001/0098)

PROFESSIONAL DEVELOPMENT

- **Python Basics & Beyond: Intro to Data Analysis with Python** (April 23, 2025) by Graph Network (thegraphcourses.org)
- **Introduction of Network & Meta-analysis** (July 2024) by Cochrane Singapore and SCRI Academy
- **Infectious Disease Modelling for Public Health Professionals** by University of Utah (Certificates), 11/15/2023
- **Real-World Evidence in Pharmacoepidemiology** by London School of Hygiene & Tropical Medicine (online course), 10/20/2023
- **Validity and Bias in Epidemiology** by Imperial College London (Coursera), 03/15/2023
- **Design and conduct clinical trial** offered by John Hopkins University (Coursera), 03/09/2023
- **Project Management in Global Health, Global Mental Health, and Leadership and Management in Health Professional Development** by University of Washington (online course), 12/2023
- **Conducting an Intervention Review** (Cochrane Interactive Learning), 06/01/2023

- **Data Visualization in R with ggplot2, Learning the R Tidyverse, Learning Git and Github, 25 GitHub Configuration Files You Should Be Using, Data, Economic Modeling, and Forecasting with Stata, The Data Science of Healthcare Medicine and Public Health, Regression Analysis Fundamentals, Cleaning Bad Data in R, Meta-analysis for Data Science and Business Analytics** (LinkedIn Certificates), 06/01/2023
- **Multilevel approach in epidemiological studies** by Department of Epidemiology and Global Health, Umeå University, 01/09/2020
- **GRADE Workshop** by Joanna Briggs Institute (JBI) Australia, 09/16/2020

SELECTED PUBLICATIONS:

- **Khaing W**, Lau SH, Thein T-L, et al. Elevated Plasma Angiopoietin-like 4 Protein Levels in Adult Patients with Dengue. *Viruses*. 2025;17(2):226. DOI: [10.3390/v17020226]. IF: 4.7
- Bejrananda T, **Khaing W**, Veettil SK, et al. Economic Evaluation of Robotic-assisted Radical Prostatectomy: A Systematic Review and Meta-analysis. *Eur Urol Open Sci*. 2025;72:17-28. DOI: [10.1016/j.euros.2025.01.011]. IF: 3.2
- **Khaing W**, Tan CJ, Patikorn C, et al. Real-World Assessment of Economic and Clinical Outcomes in Thai Patients With Respiratory Syncytial Virus Infection Across Age Groups: A Retrospective Cohort Analysis. *Influenza Other Respir Viruses*. 2024;18(11):e70039. DOI: [10.1111/irv.70039]. IF: 4.38
- Duong KNC, Nguyen DT, Kategeaw W, et al. Incorporating Social Determinants of Health into Transmission Modeling of COVID-19 Vaccine in the US: A Scoping Review. *Lancet Reg Health Am*. 2024;35:100806. DOI: [10.1016/j.lana.2024.100806]. IF: 5.41
- Htun NM, Hnin ZL, **Khaing W**. Empowerment and health care access barriers among currently married women in Myanmar. *BMC Public Health*. 2021;21:139. DOI: [10.1186/s12889-021-10181-5]. IF: 3.5
- **Khaing W**, Vallibhakara SA, Attia J, McEvoy M, Thakkestian A. Effects of education and income on cardiovascular outcomes: A systematic review and meta-analysis. *Eur J Prev Cardiol*. 2017 Jul. DOI: [10.1177/2047487317705916]. IF: 8.4
- **Khaing W**, Vallibhakara SA-O, Tantrakul V, et al. Calcium and vitamin D supplementation for prevention of preeclampsia: A systematic review and network meta-analysis. *Nutrients*. 2017;9(10):1141. DOI: [10.3390/nu9101141]. IF: 4.8
- Tantrakul V, Numthavaj P, Guilleminault C, et al. Performance of screening questionnaires for obstructive sleep apnea during pregnancy: A systematic review and meta-analysis. *Sleep Med Rev*. 2016 Nov 15. DOI: [10.1016/j.smrv.2016.11.003]. IF: 10.52
- Kjøllesdal M, Htet AS, Stigum H, et al. Consumption of fruits and vegetables and associations with risk factors for non-communicable diseases in the Yangon region of Myanmar: A cross-sectional study. *BMJ Open*. 2016;6(8):e011649. DOI: [10.1136/bmjopen-2016-011649].
- Tun T, Tint HS, Lin K, et al. Efficacy of oral single-dose therapy with artemisinin-naphthoquine phosphate in uncomplicated falciparum malaria. *Acta Trop*. 2009;111(3):275-8. DOI: [10.1016/j.actatropica.2009.05.007]. IF: 2.43

REFERENCES

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