

HTUN TEZA

Department of Clinical Epidemiology and Biostatistics, Faculty of Medicine Ramathibodi Hospital,

Mahidol University, Sukhothai Road, Dusit, Bangkok 10300

(+66) 989-986-350, kohtunteza@gmail.com

<https://htunteza.com/>

EDUCATION

Mahidol University, Thailand

Master of Science (2019-2021); *Data Science for Healthcare*

Risk-factor based Diagnosis for Chronic Periodontitis using Machine Learning Models

University of Dental Medicine Yangon, Myanmar

Dental Surgery (6-year program: 2012-2019); *equivalent to Doctor of Dental Surgery in US*

General practitioner licensed in Myanmar

WORK EXPERIENCE

Mahidol University, Department of Clinical Epidemiology and Biostatistics

Graduate Research Assistant (2021-Present)

- Affiliated under the Data Science and Clinical Informatics division
- Research database development for Hypertension and Abdominal Surgery
- Incomplete information recovery in sporadic real world datasets

RELEVANT RESEARCH SKILLS

- Data extraction and engineering of electronic medical records to research datasets
- Secondary data analysis
- Risk prediction using statistical and machine learning models
- Multidisciplinary collaborations with clinicians, surgeons, pharmacists, epidemiologists, biostatisticians, economists and data-scientists
- Experience in Python, R, Stata and SPSS

AWARDS

2019 Scholarship for postgraduate students; *Faculty of Medicine Ramathibodi Hospital*

2019 Mahidol postgraduate scholarships for graduate international students; *Faculty of Graduate Studies*

ADDITIONAL RELEVANT EXPERIENCES

Thailand Health AI Conference & Datathon 2023

- Khon Kaen University in conjunction with Massachusetts Institute of Technology (MIT) and Harvard Medical School
- Mentor for 2nd Runner up team alongside Dr. Michael G. Morley (Harvard Medical School)
- Data engineer for the largest participating dataset comprising cohort of 100,000 subjects

Undergraduate Research Assistant

- Department of Preventive and Community Dentistry
- Assessment of Oral Health Status in Taung-Tha Township, Myingyan District, Mandalay Division, Myanmar : A Cross-sectional Descriptive Study
- Research to inform public health initiatives regarding dental health

RESEARCH INTERESTS

Electronic medical records; Real world data; Biases inherent or introduced through data integration; Imputation for missing data and sporadic information; Secondary data analysis; Epidemiology; Risk prediction models

PUBLICATIONS

Teza H, Boonmanunt S, Unwanatham N, Thadanipon K, et al. **Evaluation of transitions from early hypertension to hypertensive chronic kidney disease, coronary artery disease, stroke and mortality: a Thai real-world data cohort.** *Frontiers in Cardiovascular Medicine.* 2023;10:709. doi: [10.3389/fcvm.2023.1170010](https://doi.org/10.3389/fcvm.2023.1170010)

Teza H, Pattanateepapon A, Lertpimonchai A, Vathesatogkit P, et al. **Development of Risk Prediction Models for Severe Periodontitis in a Thai Population: Statistical and Machine-Learning Approaches.** *JMIR Formative Research.* 2023. doi: [10.2196/48351](https://doi.org/10.2196/48351)

Tansawet A, Numthavaj P, [Teza H](#), Pattanateepapon A, et al. **External validation and revision of Penn incisional hernia prediction model: A large-scale retrospective cohort of abdominal operations.** The Surgeon. 2023. doi: [10.1016/j.surge.2023.07.008](https://doi.org/10.1016/j.surge.2023.07.008)

Thway AM, [Teza H](#), Win TT, Htun YM, et al. **Epidemiological characteristics of SARS-COV-2 in Myanmar.** medRxiv. 2020 Aug 4:2020-08. doi: [10.1101/2020.08.02.20166504](https://doi.org/10.1101/2020.08.02.20166504) (Preprint)

CONFERENCES

CEB Data Warehouse Showcase

Speaker; *20th September 2023*

Ramathibodi International Academic Conference, Mahidol University, Bangkok, Thailand

Hypertension and Its Associated Complications: A Thai Real-World Clinical Cohort

Poster; *7th to 10th May 2023*

ISPOR—the Professional Society for Health Economics and Outcomes Research, Boston Convention & Exhibition Center, Boston, Massachusetts, United States

Screening models for Periodontitis

Poster; *21st to 25th August, 2022*

43rd Annual Conference of International Society for Clinical Biostatistics, Newcastle University, Newcastle upon Tyne, United Kingdom

Big Cohort Data for Non-communicable Diseases

Speaker; *20th July 2022*

14th Ministry of Health - Academy of Medicine of Malaysia Scientific Meeting, National Institutes of Health, Selangor, Malaysia

Clinical Prediction of Chronic Periodontitis

Proceeding; *16th January 2021*

The 7th Regional Conference on Graduate Research 2021, Sripatum University, Khon Kaen, Thailand

JOURNAL CONTRIBUTIONS

Peer Reviewer; *Journal of Medical internet Research, Interactive Journal of Medical Research.*

REFEREES

Prof. Dr. Ammarin Thakkinstian, Head: Department of Clinical Epidemiology and Biostatistics, Mahidol University, ammarin.tha@mahidol.ac.th

Asst. Prof. Dr. Pawin Numthavaj, Lecturer: Department of Clinical Epidemiology and Biostatistics, Mahidol University, pawin.num@mahidol.ac.th

Asst. Clin. Prof. Dr. Michael G. Morley, Emeritus: Department of Ophthalmology, Harvard Medical School, michael_morley@meei.harvard.edu

LANGUAGES

Burmese, *Mother language*

English, *Full professional proficiency*

MEMBERSHIP OF PROFESSIONAL SOCIETIES

Myanmar Dental Council (2019-present)

Myanmar Dental Association (2019-present)