

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/>

RESEARCH INTERESTS

Electronic medical records; Real world data; Data Observability; Biases inherent or introduced through data integration; Imputation for missing data in real world data; Secondary data analysis; Epidemiology; Risk prediction models

EDUCATION

2019 - 2021

Mahidol University, Thailand

QS WUR 2021 #252; by subject #142
(life sciences and medicine)

Data Science for Healthcare

Master of Science

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

2012 - 2019

*University of Dental Medicine
Yangon, Myanmar*

Dental Surgery

6-year program

General practitioner licensed in Myanmar

WORK EXPERIENCE

2021 - Present

*Mahidol University, Faculty of
Medicine Ramathibodi Hospital*

Graduate Research Assistant

- Affiliated under the Data Science and Clinical Informatics division, Department of Clinical Epidemiology and Biostatistics
 - Research database development and quarterly updates
 - CEB Data Warehouse · Hypertension Cohort · Dementia Cohort
 - Data extraction and engineering of electronic medical records to research datasets
 - Data pre-processing in real-world datasets including standardization, harmonization and imputation
 - Secondary data analysis for epidemiological and methodological research
 - Risk prediction using statistical and machine learning models
 - Multidisciplinary collaborations with clinicians, surgeons, pharmacists, epidemiologists, biostatisticians, economists and data-scientists
 - Experienced in Python, R, Stata and SPSS
-

AWARDS

2019

Scholarship for postgraduate students

Faculty of Medicine Ramathibodi Hospital, Mahidol University

2019

Mahidol postgraduate scholarships for international students

Faculty of Graduate Studies, Mahidol University

ADDITIONAL RELEVANT EXPERIENCES

Khon Kaen University in
conjunction with Massachusetts
Institute of Technology (MIT) and
Harvard Medical School

Thailand Health AI Conference & Datathon 2023

- 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

Department of Preventive and
Community Dentistry, University
of Dental Medicine Yangon

Undergraduate Research Assistant

- 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

PUBLICATIONS

- 2026 **Teza H**, Anothaisintawee T, Limpijankit T, Tansawet A, Boonmanunt S, Pattanateepapon A, McKay GJ, Attia J, Thakkinstian A. Incidence and Prognosis of Apparent Treatment-Resistant Hypertension: A Multi-State Analysis Using Real-World Evidence. *Clinical Hypertension*. 2026;32(1). doi: 10.5646/ch.2026.32.e5
- 2025 Limpijankit V, Sasiprapha T, **Teza H**, Pattanateepapon A, Siriyotha S, Boonmanunt S, Attia J, Thakkinstian A. Factors Associated with New-Onset Atrial Fibrillation in Thai Adults with Hypertension. *American Journal of Hypertension*. 2025;38(12):1076–1087. doi: 10.1093/ajh/hpaf149
- 2025 Wabina RS, Looareesuwan P, Sonsilphong S, **Teza H**, Ponthongmak W, McKay G, Attia J, Pattanateepapon A, Panitchote A, Thakkinstian A. Uncertainty Aware Approach for Multiple Imputation Using Conventional and Machine Learning Models: A Real-World Data Study. *Journal of Big Data*. 2025;12(1). doi: 10.1186/s40537-025-01136-3
- 2024 Tansawet A, Looareesuwan P, **Teza H**, Boongird S, McKay GJ, Attia J, Pattanaprateep O, Thakkinstian A. Effects of sodium-glucose cotransporter-2 inhibitors on chronic kidney disease progression: A multi-state parametric survival model. *Diabetology & Metabolic Syndrome*. 2024;16(1). doi: 10.1186/s13098-024-01522-6
- 2024 Tansawet A, Numthavaj P, **Teza H**, Pattanateepapon A, Piebpien P, Poprom N, Techapongsatorn S, McKay G, Attia J, Sumritpradit P, et al. External validation and revision of Penn incisional hernia prediction model: A large-scale retrospective cohort of abdominal operations. *Surgeon*. 2024;22(1):e34–e40. doi: 10.1016/j.surge.2023.07.008
- 2023 **Teza H**, Pattanateepapon A, Lertpimonchai A, Vathesatogkit P, J McKay G, Attia J, Thakkinstian A. Development of Risk Prediction Models for Severe Periodontitis in a Thai Population: Statistical and Machine-Learning Approaches. *JMIR Formative Research*. 2023;7:e48351. doi: 10.2196/48351

2023 **Teza H**, Boonmanunt S, Unwanatham N, Thadanipon K, Limpijankit T, Pattanapratchep O, Pattanateepapon A, McKay GJ, Attia J, Thakkinstian A. 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. doi: 10.3389/fcvm.2023.1170010

Preprints and Under Review

2020 Thway AM, **Teza H**, Win TT, Htun YM, Aung MM, Win YN, Tun KM. Epidemiological Characteristics of SARS-CoV-2 in Myanmar. *medRxiv*. 2020. doi: 10.1101/2020.08.02.20166504

CONFERENCES

2026 **Associations between PM2.5 Exposure and Head & Neck Cancer and Dementia (in association with The Dementia Association of Thailand)**
SPEAKER
42nd Royal College of Physicians of Thailand Annual Meeting 2026 — Pattaya, Thailand

2023 **CEB Data Warehouse Showcase**
SPEAKER
Ramathibodi International Academic Conference (RIAC 2023) — Bangkok, Thailand

2023 **Hypertension and Its Associated Complications: A Thai Real-World Clinical Cohort**
POSTER
ISPOR—The Professional Society for Health Economics and Outcomes Research 2023 — Boston, US

2022 **Screening Models for Periodontitis**
POSTER
International Society for Clinical Biostatistics Annual Conference — Newcastle, UK

2022 **Big Cohort Data for NCDs (NCDs: Bridging the Gaps)**
SPEAKER
Ministry of Health – Academy of Medicine of Malaysia Scientific Meeting — Selangor, Malaysia

2021 **Clinical Prediction of Chronic Periodontitis**
PROCEEDING
The 7th Regional Conference on Graduate Research 2021 — Khon Kaen, Thailand