

# HTUN TEZA

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

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## RESEARCH EXPERIENCE

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### **Graduate Research Assistant, Department of Clinical Epidemiology and Biostatistics, Mahidol University (2021-Present)**

- Affiliated under the Data Science and Clinical Informatics division
- Responsible for two themes under CEB Data Warehouse Project; Hypertension and Surgery
- Studies on disease progression of hypertension
- Studies on incisional hernia in abdominal surgery
- Cohort identification, data curation and further maintenance
- Secondary data analysis on electronic medical records
- Publishing of scientific papers in peer-reviewed journals and international conferences

### **Graduate Student Researcher (2019-2021)**

- Affiliated under the Data Science and Clinical Informatics division
- Studies on prediction models for severe periodontitis
- Secondary data analysis on a prospective cohort on cardiovascular diseases
- Presenting of results at national and international conferences

## RELEVANT RESEARCH SKILLS

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- Data extraction, cleaning and engineering of electronic medical records to research ready datasets
- Cohort identification for secondary data analysis
- Multidisciplinary collaborations with clinicians, surgeons, pharmacists, epidemiologists, biostatisticians, economists and data-scientists
- Experience in statistical and machine learning languages; Python, R, Stata and SPSS

## EDUCATION

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### **Mahidol University**

Master of Science (Data Science for Healthcare); Risk-factor based Diagnosis for Chronic Periodontitis using Machine Learning Models

### **University of Dental Medicine Yangon**

Bachelor of Dental Surgery

## AWARDS

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2019 Scholarship for postgraduate students (Stipend for a First-year Student)

*Faculty of Medicine Ramathibodi Hospital*

2019 Mahidol Postgraduate Scholarships for Graduate International Students

*Faculty of Graduate Studies, Mahidol University*

## ADDITIONAL RELEVANT EXPERIENCE

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### Data Manager (2023)

- For Thailand Health AI Datathon 2023 hosting at Khon Kaen University
- Data curator and manager for contribution by Faculty of Medicine Ramathibodi Hospital
- Retrospective cohort over 13-years period including 276,500 subjects

### Undergraduate Research Assistant (2018)

- Affiliated under the Department of Preventive and Community Dentistry
- Data collection and data entry tasks
- Assessment of Oral Health Status in Taung-Tha Township, Myingyan District, Mandalay Division, Myanmar : A Cross-sectional Descriptive Study

## MEMBERSHIP OF PROFESSIONAL SOCIETIES

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Myanmar Dental Council (2019-present)

Myanmar Dental Association (2019-present)

## REFEREES

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Prof. Dr. Ammarin Thakkinstant, Mahidol University, ammarin.tha@mahidol.edu

Assoc. Prof. Dr. Oraluck Pattanaprateep, Mahidol University, oraluck.pat@mahidol.edu

Dr. Anuchate Pattanateepapon, Mahidol University, anuchate.gab@mahidol.edu

## PUBLICATIONS

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Tansawet A, Numthavaj P, Teza H, Pattanateepapon A, Piebpien P, Poprom N, Techaponsatorn S, McKay GJ, Attia J, Sumritpradit P, Thakkinstant A. **External validation and revision of Penn incisional hernia prediction model: A large-scale retrospective cohort of abdominal operations.** The Surgeon. 2023 (**In Press**, accepted 25<sup>th</sup> July)

Teza H, Boonmanunt S, Unwanatham N, Thadanipon K, Limpijankit T, Pattanapratchep O, Pattanateepaporn A, McKay GJ, Attia J, Thakkestian 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;10:709 . doi: 10.3389/fcvm.2023.1170010

Thway AM, Teza H, Win TT, Htun YM, Aung MM, Win YN, Tun KM. **Epidemiological characteristics of SARS-COV-2 in Myanmar.** medRxiv. 2020 Aug 4:2020-08. (Preprint)

## CONFERENCES

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### **CEB Data Warehouse Showcase (Speaker)**

*Ramathibodi International Academic Conference, Mahidol University, 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, Boston Convention & Exhibition Center, Boston, Massachusetts, United States, 2023*

### **Screening models for Periodontitis (Poster)**

*43rd Annual Conference of International Society for Clinical Biostatistics, Newcastle University, Newcastle upon Tyne, United Kingdom, 2022*

### **Big Cohort Data for NCDs (Speaker)**

*14th Ministry of Health - Academy of Medicine of Malaysia Scientific Meeting, National Institutes of Health, Selangor, Malaysia, 2022*

### **Clinical Prediction of Chronic Periodontitis (Proceeding)**

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