

## CAREER PROFILE

Currently based in Bangkok of Thailand, I am working for health care research, with data science concentration. Mainly fascinated with secondary data research, I am enthused to explore **why, what, and how we should reuse** regarding electronic medical records and data collected for other purposes.

I majorly code in Python with occasional R. I have experience in medical data wrangling for secondary data research projects, and applying sociodemographic data for screening algorithms/ clinical decision support.

## EXPERIENCES

### Graduate Research Assistant

Mahidol University, Thailand

2021 - Present

Affiliated under the Data Science and Clinical Informatics division of Department of Clinical Epidemiology and Biostatistics, Faculty of Medicine Ramathibodi Hospital; I perform data extraction, cleaning and engineering of electronic medical records to research ready datasets. I am responsible for two themes under the CEB Data Warehouse project; Hypertension and Surgery.

### Graduate Student Researcher

Mahidol University, Thailand

2019 - 2021

Affiliated under the Data Science and Clinical Informatics division of Department of Clinical Epidemiology and Biostatistics, Faculty of Medicine Ramathibodi Hospital; I did my postgraduate research regarding Severe Periodontitis in Thai population. Factors affecting development of the condition were studied, and four screening models were developed using statistical and machine learning classification models.

### House Officer

University of Dental Medicine Yangon, Myanmar

2018 - 2018

Affiliated under the University affiliated Hospital; various shifts of six-weeks-spans were taken under several specialty departments over the one-year of clinical training period.

- Department of Orthodontics
- Department of Pediatric Dentistry
- Department of Periodontology
- Department of Prosthodontics
- Department of Conservative Dentistry
- Department of Oral Medicine
- Department of Preventive and Community Dentistry
- Hospital of Oral and Maxillofacial Surgery

### Undergraduate Research Assistant

University of Dental Medicine Yangon, Myanmar

2018 - 2018

Affiliated under the Department of Preventive and Community Dentistry; I assisted data collection and data entry tasks relevant to various projects by the department and the postgraduate researchers.

## PROJECTS

- CEB Data Warehouse; Surgery Theme

*Project funded by National Research Council of Thailand (NRCT)*

- CEB Data Warehouse; Hypertension Theme

*Project funded by National Research Council of Thailand (NRCT)*

- Clinical Prediction of Chronic Periodontitis

*Author funded by Faculty of Medicine Ramathibodi Hospital and Faculty of Graduate Studies, Mahidol University*

- Epidemiological characteristics of SARS-COV-2 in Myanmar

*No funding sought*

## WORKS

- Transitional probability between Hypertension and associated comorbidities: A Thai real-world clinical cohort

*Teza, H., Boonmanunt, S., Unwanatham, N., Thadanipon, K., Pattanateepaporn, A., Pattanapruteep, O., Attia, J., McKay, G.J., Thakkinstant, A. Journal Manuscript, Under Draft (2022)*

- External validation and revision of Penn incisional hernia prediction model: A retrospective cohort study

*Tansawet, A., Numthavaj, P., Teza, H., Pattanateepaporn, A., Piebpien, P., Poprom, N., Techaponsatorn, S., Thakkinstant, A. Journal Manuscript, Under Review (2022)*

- Development of Risk Prediction Models by Statistical and Machine Learning approaches for Severe Periodontitis in a Thai Population

*Teza, H., Pattanateepaporn, A., Lertpimonchai, A., Vathesatogkit, P., McKay, G.J., Attia, J., Thakkinstant, A. Journal Manuscript, Under Review (2021)*

- Real World Data in Ramathibodi Hospital

*Thakkinstant, A., Lukkunaprasit, T., Ponthongmak, W., Looaresuwan, P., Teza, H. Conference Speaker, Real World Data, Mahidol University, Bangkok, Thailand (2022)*



## Htun Teza

Graduate Research Assistant

✉ htun.teza@mahidol.edu

☎ (+66) 0-2201-0833

🕒 Indochina Time (UTC+07:00)

🌐 ceb-rama.org

🎓 ORCID

🎓 Google Scholar

🐙 Github

📄 Stackoverflow

🌐 LinkedIn

📁 vCard file

## EDUCATION

**Master of Science in Data Science for Healthcare**

Mahidol University, Thailand

2019 - 2021

**Bachelor of Dental Surgery**

University of Dental Medicine Yangon, Myanmar

2012 - 2018

## LANGUAGES

Burmese (Native)

English (Professional)

- Screening models for Periodontitis

*Teza, H., Pattanateepapon, A., Lertpimonchai, A., Thakkinstian, A.*

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

- Big Cohort Data for NCDs (NCDs: Bridging the Gaps)

*Thakkinstian, A., Lolak, S., Looaresuwan, P., Teza, H.*

Conference Speaker, 14th Ministry of Health - Academy of Medicine of Malaysia Scientific Meeting, National Institutes of Health, Selangor, Malaysia (2022)

- Clinical Prediction of Chronic Periodontitis

*Teza, H., Pattanateepapon, A., Lertpimonchai, A., Vathesatogkit, P., Thakkinstian, A.*

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

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

*Teza, H., Pattanateepapon, A., Lertpimonchai, A., Thakkinstian, A.*

Thesis, Mahidol University, Bangkok, Thailand (2021)

- Epidemiological characteristics of SARS-COV-2 in Myanmar

*Thway, A.M., Teza, H., Win, T.T., Htun, Y.M., Aung, M.M., Win, Y.N., Tun, K.M.*

Preprint, Medrxiv (2020)

- Assessment of Oral Health Status in Taung-Tha Township, Myingyan District, Mandalay Division, Myanmar : A Cross-sectional Descriptive Study

*Teza, H.*

Descriptive Report, University of Dental Medicine Yangon, Yangon, Myanmar (2017)