

HTUN TEZA

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I currently work in 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 have experience in medical data wrangling for secondary data research projects, and applying sociodemographic data for screening algorithms/ clinical decision support.

EXPERIENCE

2021 – PRESENT

GRADUATE RESEARCH ASSISTANT, MAHIDOL UNIVERSITY

I perform data extraction, cleaning and engineering of electronic medical records from Ramathibodi Hospital to research ready datasets. I am responsible for two themes under the [CEB Data Warehouse](#) project; [Hypertension](#) and [Surgery](#).

EDUCATION

2019 - 2021

MASTER OF SCIENCE IN DATA SCIENCE FOR HEALTHCARE, MAHIDOL UNIVERSITY

I did my postgraduate research regarding Severe Periodontitis in Thai population.

Factors affecting development of the condition were studied.

Four screening models: Mixed effects logistic regression, Recurrent neural networks, Mixed effects machine learning (Support vector machine, Decision tree), were developed using statistical and machine learning classification models. [[Thesis](#)] [[Proceeding](#)] [[Poster](#)] [*manuscript under review*]

2012 - 2018

BACHELOR OF DENTAL SURGERY, UNIVERSITY OF DENTAL MEDICINE YANGON

SKILLS

- Python
 - For data transformation (Pandas, NumPy)
 - For modelling (Scikit learn, Keras and more)
- STATA and SPSS
 - For statistical analysis (Occasional)
- R
 - For statistical analysis (Majority)
- MySQL
 - for relational database (Occasional)

ACTIVITIES

- I am responsible for maintaining two themes of the data warehouse, which includes cleaning, validation and updating the cohort every quarter of the year.
- I collaborate with interdisciplinary teams of researchers to identify cohort specific to each research topics. My participation varies from data curation to analysis.
 - One work was published as a preprint.

[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.*

- Two works are currently under review.

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

***Teza, H.**, Boonmanunt, S., Unwanatham, N., Thadanipon, K., Pattanateepapon, A., Pattanaprateep, O., Attia, J., McKay, G.J., Thakkinstian, A.*

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

*Tansawet, A., Numthavaj, P., **Teza, H.**, Pattanateepapon, A., Piebpien, P., Poprom, N., Techaponsatorn, S., Thakkinstian, A.*

- I shared my experience as a speaker in two occasions, [once](#) in July 2022 and [another](#) in September 2022.
- I learn better by doing. I taught myself Python in 2019 for class assignments, R in 2020 for two models in Thesis project, HTML and CSS in 2021 for writing a personal webpage.