

CURRICULUM VITAE

Panu Looareesuan

Work Address: Department of Clinical Epidemiology and Biostatistics Faculty of
Medicine Ramathibodi Hospital, Mahidol University 270 RAMA VI
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Position: Lecturer

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Citizenship: Thai

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Github: <https://github.com/petchpanu/Data-Science-for-Healthcare>

Academic Qualifications

2001-2008 Harrow International School, Bangkok, Thailand

2009-2012 B.Sc. (Life Science), Biomedical Science, University of Warwick, United Kingdom

2013-2016 M.Sc. (Biomedical and Health Informatics), Mahidol University, Thailand

2018-2022 Ph.D. (Data Science for Health Care), Mahidol University, Thailand

Current & previous positions

2015-2018 Research Assistant, Thai Health Information Standards (THIS) Development Center,
Nonthaburi Thailand

2020-Present Computer Information Analyst, Clinical Epidemiology and Biostatistics, Ramathibodi
Hospital, Bangkok, Thailand

Area of interest

Machine Learning, Deep Learning, Artificial Intelligence, Survival Analysis, Natural Language
Processing, Computer Vision, Health Informatics, Health Information Standard, Big Data for
Healthcare

Technical Skills

- SPSS
- Python
- Tableau, Power BI
- MySQL

Publications

1. **Looareesuwan P**, Aiemjoy K, Charoensakulchai S, Thaipadungpanit J, Wongsantichon J, Tanganuchitcharnchai A, Rungroj A, Blacksell SD, Matsee W. Diagnostic challenges and antibody kinetics in a paediatric traveller with scrub typhus. *J Travel Med.* 2023 Dec 28;30(8):taad143.
2. **Looareesuwan P**, Krudsood S, Lawpoolsri S, Tangpukdee N, Matsee W, Nguitragool W, Wilairatana P. Gametocyte prevalence and risk factors of *P. falciparum* malaria patients admitted at the Hospital for Tropical Diseases, Thailand: a 20-year retrospective study. *Malar J.* 2023 Oct 23;22(1):321.
3. **Looareesuwan P**, Sim PE, Matsee W. Bilateral macular edema associated with high altitude: an unusual clinical presentation. *J Travel Med.* 2023 Jun 23;30(4):taad070.
4. Siriyotha S, Lukkunaprasit T, Angkananard T, **Looareesuwan P**, McKay GJ, Attia J, Thakkinstian A. Clinical effectiveness of second-line antihyperglycemic drugs on major adverse cardiovascular events: An emulation of a target trial. *Front Endocrinol (Lausanne).* 2023 Jan 30;14:1094221.
5. Siriyotha S, Lukkunaprasit T, **Looareesuwan P**, Nimitphong H, McKay GJ, Attia J, Thakkinstian A. Effects of second-line antihyperglycemic drugs on the risk of chronic kidney disease: applying a target trial approach to a hospital-based cohort of Thai patients with type 2 diabetes. *Cardiovasc Diabetol.* 2022 Nov 17;21(1):248.
6. Pontongmak W, Kijsanayotin B, Win Min Thit, **Looareesuwan P** Mapping Thai local laboratory codes with LOINC : the preliminary report; *Journal of the Thai Medical Informatics Association*, 1, 44-50;
7. **Looareesuwan**, Panu, Suparee Boonmanunt, Sukanya Siriyotha, Thitiya Lukkunaprasit, Ratchainant Thammajarit, Oraluck Pattanaprateep, Hataikarn Nimitphong, et al.

“Retinopathy Prediction in Type 2 Diabetes: Time-Varying Cox Proportional Hazards and Machine Learning Models.” *Informatics in Medicine Unlocked* 40 (January 1, 2023): 101285.

Academic Books

- Kijisanayotin B, Pontongmak W, Looareesuwan P, Win Min Thit eHealth in Thailand: Interoperability and Health Information Standards: Nonthaburi, Health System Research Institute: 2016 ¹
- Health Administration and Health Informatics System unit 8-15, Sukhothai Thammathirat Open University (2018)

¹ Looareesuwan et al., “Retinopathy Prediction in Type 2 Diabetes: Time-Varying Cox Proportional Hazards and Machine Learning Models.”