

CURRICULUM VITAE
Wanchana Ponthongmak

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Position: Lecturer

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Github: <https://github.com/ponthongmak>

Academic Qualifications

2018 - 2022 Ph.D. Data Science for Healthcare Mahidol University, Thailand

2010 - 2014 M.Sc. (Health Informatics) Mahidol University, Thailand

2006 - 2009 B.Sc. (Public Health) Mahidol University, Thailand

2000 - 2005 Boonwattana school

Current & previous positions

2012-2018 Research Assistant, Thai Health Information Standards (THIS) Development Center,
Nonthaburi Thailand

2013-2014 Secretariat of Asia eHealth Information Network (AeHIN) in Thailand.

2020-Present Research Assistant, Clinical Epidemiology and Biostatistics Department, Ramathibodi
Hospital, Bangkok, Thailand

Area of interest

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

Technical Skills

- SPSS
- Python
- Tableau, Power BI
- MySQL

Publications

1. Chaiyakittisophon K, Pattanapratchee O, **Ponthongmak W**, Kunakorntham P, Chuasuwan A, Ingsathit A, McKay GJ, Attia J, Thakkinthian A. Effectiveness of phosphate binders on mortality and cardiovascular disease in end-stage renal disease patients with hyperphosphatemia: a multicenter real-world cohort study. BMC Nephrol. 2025 Mar 10;26(1):131.
2. Hunsuwan S, Boongird S, Ingsathit A, **Ponthongmak W**, Unwanatham N, McKay GJ, Attia J, Thakkinthian A. Real-world effectiveness and safety of sodium-glucose co-transporter 2 inhibitors in chronic kidney disease. Sci Rep. 2025 Jan11;15(1):1667.
3. **Ponthongmak W**, Thammasudjarit R, McKay G.J, Theera-Ampornpunt N, Thakkinthian A. Development and external validation of automated ICD-10 coding from discharge summaries using deep learning approaches. Informatics in Medicine Unlocked, 2023, 38, 101227.
4. Assanatham M, Pattanapratchee O, Chuasuwan A, Vareesangthip K, Supasyndh O, Lumpaopong A, Susantitaphong P, Limkunakul C, **Ponthongmak W**, Chaiyakittisophon K, Thakkinthian A, Ingsathit A. Economic evaluation of peritoneal dialysis and hemodialysis in Thai population with End-stage Kidney Disease. BMC Health Services Research, 2022, 22(1), 1384
5. **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;
6. **Pontongmak W**, Kijsanayotin B, Rattanapradit A, Win Min Thit. Mapping local clinical chemistry code with LOINC; Journal of the Thai Medical Informatics Association, 1, 38-43; 2015

7. **Pontongmak W**, Kijsanayotin B. Evaluating the Coverage of LOINC Hematology Data Dictionary; The proceeding of Thai Medical Informatics; 2014
8. **วันชนะ พลทองมาก**, บุญชัย กิจสนาโยธิน, อาริรัตน์ รัตนประดิษฐ์. การจับคู่รหัสมาตรฐานสากลการตรวจทางห้องปฏิบัติการทางการแพทย์กับรายการตรวจทางเคมีคลินิกท้องถิ่น; 2556
9. **Pontongmak W**, Rojanavipart P, Viwatwongkasem C, Kijsanayotin B. Logical Observation Identifiers Names and Codes (LOINC) for Hematology Data Dictionary : Exemplified in Thai University Hospitals; 2013
10. **Pontongmak W**, Kijsanayotin B. Mapping Thai Local Laboratory Codes with LOINC: the preliminary report. The proceeding of Thai Medical Informatics; 2012

Academic Books

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