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**EDUCATION**

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| <b>Chulalongkorn University</b><br>Master of Arts in Political Economy<br>Faculty of Economics<br>Relevant Coursework: Public Policy, Comparative Economic History | Aug 2025 – Present  |
| <b>Mahidol University</b><br>Doctor of Medicine, GPA 3.55<br>Faculty of Medicine Ramathibodi Hospital                                                              | Aug 2018 – Mar 2025 |
| <b>Mahidol Wittayanusorn School</b><br>High School Diploma (Science Program), GPA 3.76                                                                             | Graduated Mar 2018  |

**ACADEMIC & PROFESSIONAL EXPERIENCE**

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| <b>Faculty of Medicine Ramathibodi Hospital, Mahidol University</b><br><b>Medical Doctor; Researcher</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Jun 2025 – Present |
| <ul style="list-style-type: none"><li>• Conduct large-scale quantitative analyses of national health administrative datasets across Thailand's public health insurance schemes to assess equity, efficiency, and system performance</li><li>• Design and implement health systems models (system dynamics and agent-based approaches) to simulate service utilization, expenditure trajectories, and policy scenarios</li><li>• Develop geospatial accessibility and population-coverage analyses for primary care and hospital services using GIS and raster-based population models</li><li>• Lead data cleaning, validation, and transformation pipelines in Python to ensure reproducibility and analytical robustness</li><li>• Secure and co-lead competitive research grants as Principal Investigator and Co-Investigator, with total awarded funding exceeding THB 16.0 million</li><li>• Translate empirical findings into policy-relevant outputs, including research manuscripts, policy briefs, and stakeholder presentations</li><li>• Collaborate with interdisciplinary teams of clinicians, economists, and social scientists in nationally funded health systems research projects</li></ul> |                    |

**RESEARCH PROGRAMS & FUNDINGS**

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| <b>Principal Investigator</b>                                                                                                  |           |
| • Development strategies and policy for health workforce planning using integrated models (HSRI, THB3.3M)                      | 2025-2026 |
| • Analysis of end-of-life expenditure of Thai population (IHPP, THB0.2M)                                                       | 2025      |
| • Exploring the distribution of academic medicine researchers and social network analysis of authors from high-impact journals | 2025      |
| • Exploring the availability and distribution of medical specialists in Thailand over a 10-year period (2014–2023)             | 2024      |

## Co-Investigator

- Developing an Integrated Framework for Equitable Palliative Care in Thailand: A Policy-Driven Approach Across Public and Private Sectors 2025-2026
- Alternative financing management mechanism design for the public health insurance system to achieve equitable and sustainable dental services (Phase II): Development of Prevention Services for Dental Caries in Childhood for Increasing Effective Coverage 2024-2025
- Synthesis of policy recommendation on health service system for non-Thai population: asylum seekers affected by conflict in border areas 2024-2025
- An analysis of the development of the research funding support system by Health Systems Research Institute of Thailand 2025
- Evaluation of the Policy on a Single ID Card for Universal Treatment Access (Phase III) 2024
- Development of Monitoring, Evaluation and Reporting Indicators for Thai Health Systems in Urbanizing Communities under the National Health Act, B.E. 2550 (A.D. 2007) 2023-2024

## PUBLICATIONS

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### Peer-Reviewed Journal Articles

- Sitthirat P**, Yoadsanit S, Limchantra P, Suppawittaya K, Suwannoppakun S, Suppawittaya P, Kaewkamjornchai P, Chunharas S. **Moving Towards Decolonizing Health Professions Education Research: An Analysis of Global Network Patterns and Equity Implications.** *Scientometrics*. [In Review]
- Suppawittaya P, **Sitthirat P**, Limchantra P, Rushchano J, Srithamrongsawat S, Suriyawongpaisal P, Kaewkamjornchai P. **Barriers beyond coverage: Assessing 'One ID' policy under universal health coverage reform on healthcare and social care among Bangkok's slum dwellers.** *BMC Health Services Research*. [In Review]
- Suppawittaya P, Bunyavejchevin N, **Sitthirat P**, Kaewkamjornchai P. **Evaluating the alignment of palliative care education with service performance in Southeast Asia: A narrative review.** *BMC Medical Education*. [In Review]
- Sitthirat P**, Suppawittaya P, Yoadsanit S, Osotthanakorn P, Srithamrongsawat S, Suriyawongpaisal P, et al. **Distribution disparities among medical specialists in Thailand: an equity analysis of the national health workforce database (2015–2024).** *BMJ Open* 2026;16(3):e103021.
- Suppawittaya P, Khowsathit P, Leelasithorn S, **Sitthirat P**, Kaewkamjornchai P. **Early exposure to a primary care course: a co-created transformative approach in health systems science.** *Medical Education Online* 2025;31(1):2622839.
- Pornsiriprasert S, Tangguay P, Susamakulwong S, Vichitvigrom P, **Sitthirat P**, Kaewkamjornchai P. **Barriers to Achieving Passing BioMedical Admissions Test Scores for Medical and Dental School Admission in Thailand.** *Rama Med J*. 2025;48(4):e272773.
- Sitthirat P**, Suppawittaya P, Limchantra P, Kaewkamjornchai P, Atiksawedparit P, Suriyawongpaisal P, Srithamrongsawat S. **Patient's Perspectives on Quality of Emergency Medical Service and Related Factors in the Context of Decentralization.** *Journal of Health Systems Research* 2024;18:442–58.
- Lertthammakiat S, **Sitthirat P**, Anurathapan U, Songdej D, Pakakasama S, Chuansumrit A, Putawornsub N, Sirasittikarn S, Wantanawijarn S, Kadegasem P, Hongeng S, Sirachainan N. **No differences in hemostatic and endothelial activations between haploidentical and matched-donor hematopoietic stem cell transplantation in thalassemia disease.** *Thrombosis Journal* 2020;18:21.

## CONFERENCE PRESENTATIONS

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- Crisis from Within: Reconceptualizing Health System Resilience Discourse through the Case of Humanitarian Aid Withdrawal on Thailand-Myanmar Border  
*Oral, Social Policy Association Annual Conference 2026 Liverpool, United Kingdom*
- Cultivating 'Third-Spaces': Building Equitable and Generative Ecosystems of Knowledge in Health Professions Education  
*Symposium, AMEE Conference 2026, Vienna, Austria*
- Large but Not Linked? Evolution in Health Profession Education Research Community: A Social Network Analysis of Publication Data (2015–2024)  
*Short Communication, AMEE Conference 2025, Barcelona, Spain*
- Ensuring Equity in Medical Specialist Distribution: Evidence for Effective Postgraduate Education Management in a Low-Resource Setting Country  
*Poster, Global Symposium for Health Systems Research 2024, Nagasaki, Japan*
- Type II Diabetic Care in Rural Context of Middle-income Country during the Crisis of COVID-19 Pandemics: A Case Study from Lomkao District, Thailand  
*Oral, Global Symposium for Health Systems Research 2022, Bogota, Colombia*

## SKILLS

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### Technical

Python (advanced); health systems modelling; geospatial and administrative data analysis; GIS and raster-based population models; system dynamics and agent-based modelling

### Methodological

Longitudinal and equity analysis; health expenditure and policy evaluation; social network analysis; mixed-methods research design

### Languages

Thai (native); English (professional proficiency)

## PROFESSIONAL MEMBERSHIPS & SERVICE

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- Member, Thai Medical Council
- Member, Social Policy Association
- Member, Health Systems Global
- Reviewer, *Medical Teacher* (Q1 Scimago) *Frontiers in Public Health* (Q1 Scimago)

## AWARDS & HONORS

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- High-Potential Master Students Scholarship, Chulalongkorn University the Second Century Fund (C2F)

## RESEARCH INTERESTS

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Comparative welfare states; political economy of health; health workforce equity; health systems modelling; geospatial health services research; policy-oriented public scholarship