



## **Mathuros Tipayamongkhulgul**

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### **Professional Appointment**

2023- Present	Associate Professor, ASEAN Institute for Health Development
2016- 2023	Associate Professor, Department of Epidemiology
2013-2016	Assistant Professor, Department of Epidemiology

### **Administrative Appointment**

2018 – 2023	Chair of Master of Public Health Program (International Program)
2017 – 2019	Deputy Dean for International Relations and Network
2015 – 2018	Chair of Master of Public Health Program (Thai Program)

### **Educations**

2009	Ph.D. Institute of Epidemiology, National Taiwan University, Taiwan ROC
2003	M.Sc. (Public Health) Mahidol University, Thailand
1993	B.P.H. (Public Health Administration) Sukhothai Thammathirat Open University, Thailand

### **Field of Expertise**

1. Infectious epidemiology
2. Translational Epidemiology
3. Social determinants of health research

## Books/Textbook

1. Wen TH, Chuang TW, **Tipayamongkholgul M**. Earth Data Analytics for Planetary Health. Springer Singapore, Singapore. 2023 <https://doi.org/10.1007/978-981-19-8765-6>
2. Narksawas K, Chaweeptokamjorn W, Podang J, **Tipayamongkholgul M**, Siri S. Basics of Epidemiology. Mahidol press, Thailand. 2019
3. Suwannapong N, **Tipayamongkholgul M**, Dejthai T, Howteerakul N. Health policy. Mahidol press, Thailand. 2014.
4. Suwannapong N, Boonsuyar C, **Tipayamongkholgul M**, Bhumiratana A, Howteerakul N. Evaluation of national dengue surveillance prevention and control program, 2010. Department of Disease control, Ministry of Public Health, Nontaburi, Thailand. 2011.
5. King CC, Chao DY, Wen TH, Kao CL, Ku CC, Wu TS, Huang YJ, **Tipayamongkholgul M**, Shang CS, Li YS, Wang HT, Liao MY, Wang WK, Wu HC, Chang KJ. Epidemiologic Characteristics of Dengue in Taiwan and Implications for Global Control. A Review Chapter 1, In Book on “Dengue”, Research Signpost, Kerala, India. 2008.

## Recent Publications (Only Scopus and ISI)

1. Seeherunwong A, **Tipayamongkholgul M**, Angsukiattitavorn S, Muangsakul W, Singkhon O, Junda S, Sittichai R, Ondee P, Aekplakorn W. Association between socioecological factors and electronic cigarette use among Thai youth: an institution-based cross-sectional study. *BMJ Open*. 2023 Jul 14;13(7):e069083. doi: 10.1136/bmjopen-2022-069083. (Corresponding author)
2. Amatya R, **Tipayamongkholgul M**, Suwannapong N, Tangjitgamol S. Matters of Gender and Social Disparities regarding Postnatal Care Use among Nepalese Women: a Cross-sectional Study in Morang District. *Health Equity* 2023;7(1):271-79. <https://doi.org/10.1089/heq.2022.0186> (Corresponding author)
3. Pitayarangsarit S, Bhagaman N, Yodmai K, Thangsirikul N, **Tipayamongkholgul M**. The Resiliency of Noncommunicable Diseases Services During the Public Health Crisis: A lesson from Bangkok, Thailand. *BMC Health Serv Res* 2023;23:409 <https://doi.org/10.1186/s12913-023-09400-z> (IF 2.9) (Corresponding author)
4. Ruamtawee W, **Tipayamongkholgul M**, Aimyong N, Manosuthi W. Prevalence and Risk Factors of Cardiovascular Disease among People Living with HIV in the AsiaPacific Region: a systematic review. *BMC Public Health* 2023;23:477 <https://doi.org/10.1186/s12889-023-15321-7> (IF 2.782) (Corresponding author)
5. Strother P, **Tipayamongkholgul M**, Kosaisevee V, Suwannapong N. Effects of Psychosocial Factors on Nonadherence to ART in Ganta, Nimba County, Liberia. *AIDS Research and Therapy* 2022;19. <https://doi.org/10.1186/s12981-022-00455-2>. (IF 2.782) (Corresponding author)
6. Butsing N, **Tipayamongkholgul M**, Wang JD, Ratanakorn D. Combined Quality of Life and Survival for Estimation of Long-term Health Outcome of Patients with Stroke. *Health Qual. Life Outcomes* 2022; 20(46) <https://doi.org/10.1186/s12955-022-01959-1>. (IF.3.951) (Corresponding author)

7. Booranathawornsom T, Pombubpa K, **Tipayamongkholgul M**, Kittigul L. Molecular characterization of human bocavirus in recycled water and sewage sludge in Thailand. *Infect Genet Evol* 2022;105276. doi: 10.1016/j.meegid.2022.105276.
8. Somboon S, Jirapongsuwan A, Kalampakorn S, **Tipayamongkholgul M**. Acute pesticide poisoning among mixed-crop agricultural workers in Thailand. *Trends Sci* 2022; 19(2):2154.
9. **Tipayamongkholgul M**, Kongtip P, Woskie S. Association between Occupations and Selected Non-communicable diseases: A matched case-control among Thai informal workers. *J. Occup. Health* 2021. DOI: 10.1002/1348-9585.12249 (IF. 2.708) (Corresponding author)
10. Phodhichai T, Satheannoppakao W, **Tipayamongkholgul M**, Hutchinson C, Sasat S. Development of a protein energy malnutrition screening tool for older Thais in public residential homes. *Public Health Nutrition*. 2021:1-30. doi:10.1017/S1368980021004250
11. Amatya R, **Tipayamongkholgul M**, Suwannapong N, Tangjitgamol S. Factors influencing inequitable access to maternal health services in Morang District, Nepal. *JPHD* 2021; 19 (2): 1-13 (Corresponding author)
12. Samadarshi S, Taechaboonsermsak P, **Tipayamongkholgul M**, Yodmai K, Quality of life and associated factors amongst older adults in a remote community, Nepal. *JHR* 2020. DOI 10.1108/JHR-01-2020-0023.
12. Smithnaraseth A, Seeherunwong A, Rungnapa Panitrat R, **Tipayamongkholgul M**. Hospital and patient factors influencing the health status among patients with schizophrenia, thirty days after hospital discharge: Multilevel analysis *BMC Psychiatry* 2020; 20:592. doi.org/10.1186/s12888-020-03001-4.
13. Mishra S, Suwannapong N, **Tipayamongkholgul M**, Aimyong N. Access to Health Service and Social Support Related to Self-Medication. *J Nepal Health Res Counc*. 2020;18(3):500-505. doi: 10.33314/jnhrc.v18i3.2649.
14. Angsukiattitavorn S, Seeherunwong A, Panitrat R, **Tipayamongkholgul M**. Prevalence and Distribution Pattern of Mood Swings in Thai Adolescents: A school-based Survey in The Central Region of Thailand. *BMC Psychiatry*. 2020; 20:191 doi.org/10.1186/s12888-020-02605-0.
15. Tsai FJ, **Tipayamongkholgul M**. Are countries' self-reported assessments of their capacity for infectious disease control reliable? Associations among countries' selfreported international health regulation 2005 capacity assessments and infectious disease control outcomes. *BMC Public Health*. 2020;20(1):282. doi: 10.1186/s12889-020-8359-8.
16. Sang-Ngoen D, Hutchinson C, Satheannoppakao W, **Tipayamongkholgul M**. Dietary Iron Intake and Availability in Hill Tribe and Urban Women, Chiang Rai Province, Northern Thailand. *Ecol Food Nutr*. 2020 Mar 4:1-21. doi:10.1080/03670244.2020.1737041.
17. Butsing N, **Tipayamongkholgul M**, Ratanakorn D. Estimation of expected years of life lost for patients with ischemic stroke and intracerebral hemorrhage. *JHR*. 2019. DOI: 10.1108/JHR-10-2018-0126 (Corresponding author)

18. Nankongnab N, Kongtip P, **Tipayamongkholgul M**, Bunngamchairat A, Sitthisak S, Woskie S. Difference in Accidents, Health Symptoms, and Ergonomic Problems between Conventional Farmers Using Pesticides and Organic Farmers. *J Agromedicine*. 2019 doi: 10.1080/1059924X.2019.1607793.
19. Sirisub P, Suwannapong N, **Tipayamongkholgul M**, Howteerakul N, Noree T. Intention to Extend Working Life among Thai Registered Nurses in Ministry of Public Health: A National Survey. *Nurs Res Pract*. 2019. doi: 10.1155/2019/7919404.
20. Butsing N, **Tipayamongkholgul M**, Ratanakorn D, Suwannapong N, Bundhamcharoen K, Social Support, Functional Outcome and Quality of Life among Stroke Survivors in an Urban Area. *J Pac Rim Psychol* 2019. doi: 10.1017/prp.2019.2 (Corresponding author)
21. Butsing N, Mawn B, Suwannapong N, **Tipayamongkholgul M**. Long-Term Survival of Ischemic and Hemorrhagic Stroke Patients: An Analysis of National Thai Data. *Southeast Asian J Trop Med Public Health* 2018;49: 322-330. (Corresponding author)
22. Konthonbut P, Kongtip P, Nankongnab N, **Tipayamongkholgul M**, Yoosook W, Woskie S. Paraquat Exposure of Pregnant Women and Neonates in Agricultural Areas in Thailand. *Int. J. Environ. Res. Public Health* 2018, 15, 1163.
23. Kongtip P, Nankongnab N, Mahaboonpeeti R, Bootsikeaw S, Batsungnoen K, Hanchenlaksh C, **Tipayamongkholgul M**, Woskie S. Differences among Thai Agricultural Workers' Health, Working Conditions, and Pesticide Use by Farm Type. *Ann Work Expo Health* 2018; 62(2):167-181. doi: 10.1093/annweh/wxx099.
24. Kongtip P, Nankongnab N, **Tipayamongkholgul M**, Bunngamchairat A, Yimsabai J, Pataitiemthong A, Woskie S. A Cross-Sectional Investigation of Cardiovascular and Metabolic Biomarkers among Conventional and Organic Farmers in Thailand. *Int. J. Environ. Res. Public Health* 2018, 15, 2590.
25. Petcharoen H, Suwannapong N, Howteerakul N, **Tipayamongkholgul M**, Ramaswamy R. Participatory capacity building for improving quality of childcare centers in Thailand. *Rural & Remote Health* 2018, 18 (2):226-238.
26. Thongprasert C, Hutchinson C, Satheannopkiao W, **Tipayamongkholgul M**. Dietary iron intake and availability are related to maternal education level in overweight/obese adolescents. *Eur J Nutr* 2017. doi: 10.1007/s00394-017-1501-4. [Epub ahead of print]
27. Lowmoung, T., Pombubpa, K., Duangdee, T. **Tipayamongkholgul M**, Kittigul L. Distribution of Naturally Occurring Norovirus Genogroups I, II, and IV in Oyster Tissues. *Food Environ Virol* 2017. doi:10.1007/s12560-017-9305-5
28. **Tipayamongkholgul M**, Luksamijarulkul P, Mawn B, Kongtip P, Woskie S. Occupational Hazards in the Thai Healthcare Sector. *New Solut* 2016; 26(1):83-102. doi: 10.1177/1048291116633871. Q3
29. Somsri P, Satheannopkiao W, **Tipayamongkholgul M**, Vatanasomboon P, Kasemsup R. A Cosmetic Content-Based Nutrition Education Program Improves Fruit and Vegetable Consumption Among Grade 11 Thai Students. *J Nutr Educ Behav* 2016; 48 (3):190-8.e1. doi: 10.1016/j.jneb.2015.11.002.
30. Ismail N, Suwannapong N, Howteerakul N, **Tipayamongkholgul M**, Apinuntavech S. Assessing disaster preparedness and mental health of community members in Aceh,

- Indonesia: a community-based, descriptive household survey of a national program. *Rural and Remote Health* 2016; 16 (4): 3788.
31. **Tipayamongkholgul M**, Marin W, Sujirarat D, Pokeaw P, Pungrassami P. Noncommunicable diseases increased risk of Recurrent Tuberculosis in Epidemic Area of Human Immunodeficiency Virus Infection, Thailand. *Tropical biomedicine* 2016;33(1):190-6. (corresponding author) Q4
  32. Toothong T, **Tipayamongkholgul M**, Suwannapong N, Suvannadabba S. Evaluation of Mass Drug Administration in the program to control imported lymphatic filariasis in Thailand. *BMC Public Health* 2015;15:975 (IF 2.26) (corresponding author)
  33. Phosat C, Soontornnon S, Suansawang W, Satheannoppakao W, **Tipayamongkholgul M**, Chompooseang T. Self-Dietary Assessment Tool Development for Gastrointestinal Surgery Patients, Pre/Post Operative. *J Public Health* 2015; 45(1): 28-45.
  34. Bhoomiboonchoo P, Nisalak A, Chansatiporn N, Yoon I-K, Kalayanaroj S, **Tipayamongkholgul M**, Timothy, et al. Sequential Dengue Virus Infections Detected in Active and Passive Surveillance Programs in Thailand, 1994-2010 *BMC Public Health* 2015; 15:250. (IF 2.26)
  35. Stein M, van Steenbergen JE, Buskens V, van der Heijden VGM, Chanyasanha C, **Tipayamongkholgul M**, Thorson A, Bengtsson L, Lu X, Kretzschmar MEE. Comparison of Contact Patterns Relevant for Transmission of Respiratory Pathogens in Thailand and the Netherlands Using Respondent-Driven Sampling. *PLoS ONE* 2014 9(11): e113711. doi:10.1371/journal.pone.0113711.
  36. Bhoomiboonchoo P, Gibbons RV, Huang A, Yoon I-K, Buddhari D, Nisalak A, Chansatiporn N, **Tipayamongkholgul M**, Kalanarooj S, Endy T, Rothman AL, Srikiatkachorn A, Green S, Mammen MP, Cummings DA, Salje H. The Spatial Dynamics of Dengue Virus in Kamphaeng Phet, Thailand. *PLoS Negl Trop Dis* 2014; 8(9): e3138. doi:10.1371/journal.pntd.0003138.
  37. Suwannapong N, **Tipayamongkholgul M**, Bhumiratana A, Boonsuyar C, Howteerakul N, Poolthin S. Effect of community participation on household environment to mitigate dengue transmission in Thailand. *Tropical biomedicine* 2014; 31(1):1-10 (corresponding author)
  38. Howteerakul N, Kyaw Htin, Suwannapong N, **Tipayamongkholgul M**. Smoking, alcohol consumption and betel-quid chewing among young adult Burmese laborers in Thailand. *Southeast Asian J Trop Med Public Health* 2014:45(4).
  39. Stein ML, van Steenbergen JE, Chanyasanha C, **Tipayamongkholgul M**, Buskens V, et al. Online Respondent-Driven Sampling for Studying Contact Patterns Relevant for the Spread of Close-Contact Pathogens: A Pilot Study in Thailand. *PLoS ONE* 2014; 9(1); e85256. doi:10.1371/journal.pone.0085256
  40. **Tipayamongkholgul M**, Podang J, Siri S. Spatial analysis of social determinants for tuberculosis in Thailand. *J Med Assoc Thai* 2013;96(12):116-21 (corresponding author)
  41. Charoenca N, Kungskulniti N, **Tipayamongkholgul M**, Sujirarat D, Lohchindarat S, Mock J, Hamann SL. Determining the burden of secondhand smoke exposure on the respiratory health of Thai Children. *Tobacco Induced Diseases* 2013, 11:7.

42. Rattanasiri M, Satheannoppakao W, Kasemsup R, **Tipayamongkholgul M**. Computer usage patterns and their association with nutritional status in female students grade 10-12 *J Public Health* 2013; 43(1): 17-29.
43. **Tipayamongkholgul M**. Spatial Epidemiology in Public Health. *J Public Health* 2012; 42 (3): 44-54.
44. **Tipayamongkholgul M**. Spatial and temporal heterogeneity in vulnerability to dengue among Thai villages, Prachuap Khirikhan, 2003–2007 *Asia Journal of Public Health* 2012; 3(3) :94-101.
45. Prapanwong A, Rattanajiemrungsri S, Klinchan S, **Tipayamongkholgul M**. Effects of community-based directly-observed treatment for tuberculosis treatment in mountainous areas. *Asia Journal of Public Health* 2012; 2: 9-14 (corresponding author)
46. **Tipayamongkholgul M**. Public Health Impacts of Floods in Thailand. ACTS Newsletter. 2011;1: 8-9
47. **Tipayamongkholgul M** and Lisakulrak S. Socio-Geographic Factors in Vulnerability to Dengue in Thai Villages: A Spatial Regression Analysis. *Geospatial Health*. 2011; 5(2): 191-8 (Impact Factor 1.783)
48. Apinuntavech S, Viwatwongkasem C, **Tipayamongkholgul M**, Wichaidit W, Rassamee S. Consequences and Associated Factors of Youth Gambling. *J Med Assoc Thai*. 2010; 95 (Suppl.6) :S21-29 (corresponding author)
49. **Tipayamongkholgul M**, Fang CT, Klinchan S, Liu CM, King CC. Effects of the El Niñosouthern oscillation on dengue epidemics in Thailand, 1996-2005. *BMC Public Health* 2009;20:422. (Impact Factor 2.22)
50. Srisam-Ang K, Podhipak A, Narksawat K, Supaattagorn P, **Tipayamongkholgul M**. Survival of patients with advanced non-small-cell lung cancer at Ubon Ratchathani Cancer Center, Thailand. *Southeast Asian J Trop Med Public Health*. 2005 ;36(4):994-1006.
51. **Tipayamongkholgul M**, Podhipak A, Chearskul S, Sunakorn P. Factors associated with the development of tuberculosis in BCG immunized children. *Southeast Asian J Trop Med Public Health*. 2005;36(1):145-50.

### Some TCI publications (Thai Publication)

1. Winyouvsiri P, **Tipayamongkholgul M**, Tornee S, Ekchariyawat P. Predictive Risk Area Modeling for Tuberculosis at the Provincial Level, Thailand. *THJPH* 2022; 52(2): (Accepted) (*Corresponding author*)
2. Munthum A, **Tipayamongkholgul M**, Paorohit W. Factors affecting overweight and obesity among the health check-up examinees at the Division of Preventive Medicine, Directorate of Medical Services, RTAF. *RTA Med J* 2022;75(1):27-37. <https://he02.tcithaijo.org/index.php/rtamedj/article/view/251853/175022>. (*Corresponding author*)
3. Tawonkasiwattanakun P, Kosaisavee V, Suwannapong N, **Tipayamongkholgul M**. Symptomatic Dry Eye Prevalence and Related Factors in an Open University, Bangkok, Thailand. *THJPH* 2021; 51(3): 195-203 (*Corresponding author*) <https://he02.tcithaijo.org/index.php/jph/article/view/251780/173931>

4. Trisakun B, **Tipayamongkholgul M**, Aimyong N, Uthis P. Perceived Stigma, Social Support, and Quality of Life among People Living with HIV/AIDS in Lopburi Province. *TJPHS* 2021; 4(3):18-32.  
<https://he02.tcithaijo.org/index.php/tjph/article/view/247025/173028>.
5. Nitaramorn S, Suwannapong N, **Tipayamongkholgul M**, Tanasri T. Health Status of Waste Management Workers in Municipality of Nonthaburi Province *J. Health Science* 2021;30(2):232-41. <https://thaidj.org/index.php/JHS/article/view/10006/8864>
6. Khaopong C, Suwannapong N, **Tipayamongkholgul M**, Aimyong N. Need Assessment to Enhance Physical Therapy Ability of Health Personnel in Subdistrict Health Promoting Hospital, Regional Health Centre 4 Saraburi *Royal Thai Navy Medical Journal* 2019; 46 (1): 182-198
7. Prommi N, Suwannapong N, **Tipayamongkholgul M**, Manmee C. Life happiness of the elderly in Bangkok *Journal of Mental Health of Thailand*. 2019;27(2):80-94.
8. Sansamak N, Suwannapong N, **Tipayamongkholgul M**, Butsripoom B. Performance of Perioperative Nurses in Relation to the Standard of Perioperative Nursing in One University Hospital *Royal Thai Navy Medical Journal* 2019; 46 (1) :165-181
9. Kwanjaroensub S, Suwannapong N, **Tipayamongkholgul M**, Manmee C. Health Need Assessment and Accessibility to Health Services of Rural Elderly in Wihandaeng District, Saraburi Provinc. *Royal Thai Navy Medical*, 2019; 46 (1): 215 – 230.
10. Muneerat S, Suwannapong N, **Tipayamongkholgul M**, Manmee C. Job Characteristics, Job-Related Stress and Intention to Stay in Professional Nursing in a Tertiary Care Hospital, Ministry of Public Health. *Journal of Health Science*, 2010; 28 (1): 134 – 141.
11. Junyatham S, Suwannapong N, **Tipayamongkholgul M**, Aimyong N, Quality of Work Life of Professional Nurses in One Public University Hospital. *Royal Thai Navy Medical Journal* 2018; 45 (1) :52 – 65.
12. Ngamkham S, Suwannapong N, **Tipayamongkholgul M**, Manmee J. Access to Health Care Services of the Elderly, Thawiwatthana District, Bangkok *Kuakarun Journal of Nursing* 2018; 25 (2): 91 – 104.

## Research Grants

1. Using the CFIR, RE-AIM, and NPT to analyze and scale up the community-based surveillance and preventative system for suicide (Principal Investigator) Funded by NHRI, December 2022 – November 2023
2. The Evaluation Project for Strategic Plan for Drug Prevention and Control in Bangkok Metropolitan (Principal Investigator) Funded by BMA, December 2022-May 2023
3. Development of Strategic Framework For Promoting Health Media Ecology to Accommodate Individual to Improve Health, 2022 (Principal investigator) Funded by Thai Health Promotion Foundation, February 2022-September 2022
4. A national survey of electronic cigarette use and associated factors among Thai youth, co-investigator, 1 October 2020 – 1 December 2021, Funded by the Tobacco Control Research and Knowledge Management Center (TRC).
5. Evaluation Project of Health Media System and Spiritual Health Pathway Plan, year

- 2018 – 2020, (Principal investigator) Funded by Thai Health Promotion Foundation
6. 1/2-GEOHealth Hub: Improving Agricultural Health in Southeast Asia-Thailand. (Coinvestigator), September 2015-August 2020, Funded by Fogarty International Center of the National Institutes of Health (Award Number U01TW010091).
  7. Tuberculosis Prevention Strategies in South Asian Country (Ministry of Education, Taiwan), Now – December 2018
  8. Population Mobility and Niche area of Dengue in Thailand (Ministry of Education, Taiwan) , Now – December 2018
  9. 1/2 Occupational Health Research, Policy & Capacity Building in Thailand-Thailand. (Co-investigator), September 2012- August 2015 Funded by Fogarty International Center of the National Institutes of Health (Award Number R24TW009558).
  10. Impacts of Myanmar migrant workers on transmission of *Wuchereria bancrofti* nocturnally type in Thailand: Epidemic model of Empirical evidence from Samutsakorn province (Principal investigator), March 2014-2016 (PHRU/CMB 01/2014)
  11. Evaluation on HIV-Related Risk Behavioral Surveillance System among Various Target Populations (Co-investigator) January – December 2014 Funded by National research institute
  12. Influenza vaccine coverage among high-risk populations in Thailand, 2013 (Coinvestigator)
  13. Occupational health research, Policy and Capacity building in Thailand (Co-investigator), September 2012-August 2014. Funded by NIH (Grant number 1R24TW009558-01)
  14. Associated factors of spatial epidemiology of pulmonary tuberculosis risk in Thailand at provincial level, 2003-2009 (Principal Investigator), January – December 2011, Research Grant of China Medical Board (PHRU/CMB 04 /2010)
  15. Evaluation of national dengue surveillance prevention and control program in 2010. (Coinvestigator), January—September 2011. Funded by Department of Disease control, Ministry of Public Health Thailand.

### **Others**

1. Editorial board: Disease control journal, Ministry of Public Health, Thailand
2. Editorial board: Journal of Suicide Prevention of Thailand, Thailand
3. Associate Editor: Journal of Occupational Health, Japan Society for Occupational Health
4. Associate Editor: Environmental and Occupational Practice, Japan Society for Occupational Health