Mahidol University
Faculty of Public Health
Department of Public Health Administration

อุทุมพร วงษ์ศิลป์

UTOOMPORN WONGSIN

CURRENT POSITION Lecturer Dr.

DEPARTMENT OF PUBLIC HEALTH ADMINISTRATION

FACULTY OF PUBLIC HEALTH, MAHIDOL UNIVERSITY

Tel: (66)2-644-8833 Fax: (66)2-644-8554

E-mail: utoomporn.won@mahidol.ac.th

EDUCATION

Degree	Major	University/Country
Doctor of Philosophy	Global Health and Health Security	Taipei Medical University, Taiwan
Master of Accounting	Accounting	Rangsit University, Thailand
Bachelor of Accounting	Accounting	North Bangkok University, Thailand

WORK EXPERIENCE

- Lecturer

  Department of Public Health Administration, Faculty of Public Health, Mahidol University
- Researcher

  Health Insurance System Research Office,

  Health Systems Research Institute (HSRI)

RESEARCH INTERESTS OR EXPERTISE

- Cost Accounting
- Healthcare Financing and Accounting
- Health Economics
- Global Health
- Health Promotion and Prevention
- Health Informatics

- Functional Disability among older adults

PUBLICATIONS/RESEARCH

- **Wongsin, U.,** Chen, T.Y. ., Wannasri, A., & Kyaw T.W. (2026). Impact of Hypertension on Disability Prevalence and Healthcare Cost Projections Among Thai Older Adults by 2040. Asia Pacific Journal of Health Management 2026; 21(2):i5511. http:// doi: 10.24083/apjhm.v21i2.5511
- Pannoi, T., Prutipinyo, C., & **Wongsin, U.** (2026). Sex-Specific Longitudinal Pathways to Activities of Daily Living Disability in Older Adults with Cardiovascular Disease and/or Hypertension: Findings from the Health, Aging and Retirement in Thailand (HART) Study. Biomedical Sciences and Clinical Medicine, 65(4). https://doi.org/10.12982/BSCM.2026.51
- **Wongsin, U.,** Chiangchaisakulthai, K., Suanrueang, P., Thumwanna, P., & Changprajuck, N. (2026). Cost Analysis of Cold Plasma for Wound Care Among Patients with Type 2 Diabetes Mellitus in Thai Community Hospitals. Journal of Health Policy, Law and Administration, 12(2), 289–297. retrieved from https://so05.tci-thaijo.org/index.php/journal_law/article/view/288576
- **GBD 2023 ASEAN Causes of Death Collaborators.** Causes of death across the life course in the Association of Southeast Asian Nations (ASEAN): a systematic analysis for the Global Burden of Disease Study 2023. The Lancet Public Health, 11, e786-e796
- **GBD 2023 LDL Cholesterol Collaborators.** Global Burden of Elevated LDL-C: Findings From the Global Burden of Disease Study 2023. JAMA. 2026;336(8):673–698. doi:10.1001/jama.2026.8628
- **Wongsin, U**., Pannoi, T., Prutipinyo, C. et al. (2025). Strategic planning and organizational performance in public health sector: a scoping review. BMC Health Serv Res 25, 1017, https://doi.org/10.1186/s12913-025-13206-6
- Benjakul, N., **Wongsin, U**., Siri, S. et al. (2025). Factors associated with the acceptance of telemedicine services in Dusit model prototype area. Sci Rep 15, 25311 https://doi.org/10.1038/s41598-025-11193-6
- Myint,Ms., Sririchotiranan N., **Wongsin U**.,Prutipinyo C.(2025). Factors influencing modern contraceptive use among rural married women of reproductive age in Myanmar. International Journal of Public Health Science (IJPHS) 718 Vol. 14, No. 2, June 2025, pp. 718~728 ISSN: 2252-8806, DOI: 10.11591/ijphs.v14i2.25741
- **Wongsin U**., and Chiangchaisakulthai, K. (2024). Cost analysis of service activities provided by the Healthcare Accreditation Institute, Thailand.
- **Wongsin, U**., Wannasri, A., Pongpattrachai, D, and Chen, TY (2024). Disability among older adults with hypertension in Southeast Asia: A scoping review," *Journal of Demography*:

Vol. 40: Iss. 1, Article 3. DOI: https://doi.org/10.56808/2730-3934.1372

- GBD 2021 Adult BMI Collaborators.Global, regional, and national prevalence of adult overweight and obesity, 1990-2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021.The L ancet 2025; 405: 813–3.
- GBD 2021 Stroke Risk Factor Collaborators (2024). Global, regional, and national burden of stroke and its riskfactors, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. The Lancet Neurol 2024;23: 973–1003
- GBD 2021 Risk Factors Collaborators (2024). Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. The Lancet 2024;403:2162–203. https://doi.org/10.1016/S0140-6736(24)00933-4
- **Wongsin, U.,** Chiangchaisakulthai, K. ., Suanrueang, P. ., & Samipuk, N. . (2024). Payment mechanism and price regulation for emergency patients: Experience from 5 countries. Public Health Policy and Laws Journal, 10(2), 433–440. Retrieved from https://so05.tci-thaijo.org/index.php/journal_law/article/view/273296
- GBD Causes of Death Collaborators (2024). Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. The Lancet. DOI:https://doi.org/10.1016/S0140-6736(24)00367-2.
- **Wongsin U**, Chen, T.Y. (2023). Sex differences in the risk factors of disability among community-dwelling older adults with hypertension: Longitudinal results from the Health, Aging, and Retirement in Thailand study (HART). Front Public Health.; Volume 11-2023.
- GBD Collaborator (2023). Global Burden of Cardiovascular Diseases and Risks,1990-2022. J Am Coll Cardiol 2023;82(25):2350–473
- **Wongsin U**, Chen, T.Y. (2023). Sex differences in the risk factors of disability among community-dwelling older adults with hypertension: Longitudinal results from the Health, Aging, and Retirement in Thailand study (HART). Front Public Health.; Volume 11-2023.
- **Wongsin, U.,** Suanrueang, P., Chen, & T.Y. (2023). Cost Analysis of Outpatient Services for Hypertension, Heart Attacks, and Strokes among Older Adults in Community Hospitals in Thailand. Journal of Health Systems Research 2023;17(2):317-2
- **Wongsin, U**., Chiangchaisakulthai, K., Suppradist, W., Samiphuk, N., Pongpattrachai, D., Wannasri, A., Nontarak, J., & Chen, T.Y. (2023). A health promotion program for improving weights, body mass index, and body compositions among individuals with non-communicable diseases in

Thailand: RE-AIM model and financial feasibility study. Journal of Health Systems Research 2023; 17(3):442-54

- Suanrueang, P., **Wongsin, U**. (2023). Cost Analysis of Outpatient Care for Mental and Behavioral Disorders due to Psychoactive Substance Use: A Study of Four Community and Two General Hospitals in Thailand. Asia Pacific Journal of Health Management, 18(1).
- **Wongsin, U**., Namuenhong , P., Somsong,P., (2023). Cost analysis of services provided by the Healthcare Accreditation Institute. The Healthcare Accreditation Institute.
- **Wongsin, U.**, Chiangchaisakulthai, K., Suanrueang, P., Thumvanna. P.,Sakunphanit, T. (2021). Cost of emergency patients in public hospitals for financial policy recommendation to the universal coverage for emergency patients (UCEP). Journal of Health Systems Research 2021;15(3):370-80.
- Prasitsiriphon, O., **Wongsin, U**., Naka, P., Julchoo, S., Suphanchaimat, R.(2021). Disparity between the Reimbursement and Unit Cost for HIV/AIDS Antiretroviral Treatment for Migrant Patients Insured in the 'Health Insurance Card Scheme', Thailand, 2015-2017 | OSIR Journal. Volume 14 Issue 1 (2021) March 2021.
- Weng, S.F., Malik, A.,**Wongsin, U**., Lohmeyer, F.M., Lin, L.F., Atique, S.,Jian,W.S., Gusman, Y.,Iqbal, U.(2021). Health Service Access among Indonesian Migrant Domestic Workers in Taiwan. International Journal of Environmental Research and Public Health. 2021; 18(7):3759. https://doi.org/10.3390/ijerph18073759
- Francis,D.,L.,**Wongsin, U**., Chien, S.C.,Hsu,Y.S., Lohmeyer, F.M., Jian, W.S., Lin L.F. , Iqbal, U. (2021). Assessment of knowledge, attitudes, and practices towards Zika virus among healthcare workers in St. Kitts. BMC Infect Dis 21, 237 (2021). https://doi.org/10.1186/s12879-021-05932-z.
- Piempreecha, S., Yingtaweesak, T., **Wongsin, U**., Upakdee, N. (2020). Unit cost of Thasongyang Hospital, Tak province. Journal of Health Systems Research 2020;14(2):175-188
- Chiangchaisakulthai, K., Suanrueang, P., **Wongsin, U**., Thumvanna, P., Sakunphanit, T.(2020). A Review of Emergency Medical Service Rate under a Project of Financial Recommendation for Universal Coverage for Emergency Patients (UCEP). Journal of the Department of Medical Services. Vol 45 No.2, April – June 2020.
- **Wongsin, U**., Pongpattrachai. D. (2019). Cost Analysis of HIV/AIDS Outpatient Service in Thailand Journal of Health Systems Research Vol.13 No. 4 October-December 2019.
- **Wongsin, U**., Suanrueang, P. (2019). Unit Cost of Schizophrenia, Schizotypal and Delusional Disorders. Journal of Health Systems Research Vol.13 No. 4 October- December 2019.
- Suanrueang, P., **Wongsin, U**. (2019). A Time-Motion Study of Medical Specialists: a Case Study in Eight Public Hospitals. Journal of Health Systems Research. No. 4 October-December 2019.

- Chiangchaisakulthai, K., **Wongsin, U**., Suanrueang , P., Thumvanna ,P., Sakunphanit,T. (2019). Healthcare expenditure burden for emergency medical services of private hospitals under a project of financial recommendation for Universal Coverage for Emergency Patients (UCEP). Journal of the Department of Medical Services Vol. 44 No. 5 September – October 2019
- Suanrueang, P.,**Wongsin, U**.. (2019). Professional Fee in the Private Hospital Disbursement of the Universal Coverage for Emergency Patients (UCEP). Journal of Health Systems Research Vol. 13 No. 1 January-March 2019.
- **Wongsin, U**. and Arnat Wannasri. (2018). Unit Cost of Diabetes Care: A case study of a general hospital in Thailand. Journal of the Department of Medical Services Vol. 43 No. 6 November – December 2018.
- Chiangchaisakulthai, K., **Wongsin, U**. (2018). Cost of Primary Care Service Network in Health Region 8. Journal of Health Systems Research Vol. 12 No. 4 October- December 2018.
- Sakunpanit, T., Chiangchaisakulthai, K., **Wongsin, U**.,Thamwanna, P., Suanrueng, P.(2018). A project of financial recommendation for Universal Coverage for Emergency Patients (UCEP). National Institute for Emergency Medicine.
- **Wongsin, U**., Wannasri, A. (2017). Unit cost of Health Service in Health Promoting Hospitals in Thailand. Journal of health science. Vol 26 No.3, May – June 2017.
- **Wongsin, U**., Wannasri,A., Chiangchaisakulthai,K., Pongpattrachai,D., Thamwanna,P,.

Sakulphanit, T. (2016). Estimate Unit Cost per capita of services provided at CUP network level. Journal of Health Systems Research.Vol 10 No.3 July-September 2016

- **Wongsin, U**., Wannasri, A., Chiangchaisakulthai, K.,Pongpattrachai, D.,Thamwanna P. (2016). Estimate Unit Cost per capita of services provided at CUP network level. Community Based Health Care Research and Development Statute.
- Pirawech, N.,Sakulpanit, T., Suknak, K., Pannyadee, S., **Wongsin, U**.,Jangprajak, N. (2015). Pattern of hospital management for social security scheme. Health Insurance System Research Office.
- **Wongsin, U**., Sakunphanit, T., Labbenchakul, S.,Pongpattrachai, D. (2014). Estimate Unit Cost per day of Long term care for Dependent Elderly. Journal of Health Systems Research Vol. 8 No. 4 October-December 2014.
- **Wongsin, U**.(2014): Development of financial performance benchmark of Ministry of Public Health's hospitals in Thailand. BMC Public Health 2014 14(Suppl 1):O1
- Chiangchaisakunthai, K.,**Wongsin, U**., Pongpatrachai, D. (2013). Cost of individual inpatient for the mechanism payment by diagnosis related group project.
- Pongpatrachai, D., Sakulpanit, T., Thamwanna, P., **Wongsin, U**. (2013). Unit cost of hospital: case study; three main public hospitals in Thailand. Journal of accounting Vol.9 No.25 August 2013.

- Leerapan, B., Kirdruang, P., **Wongsin, U**.,Thamvanna P. (2013). Cross-subsidization of Healthcare Financing at the Hospital Level: Case Studies of Selected Public Hospitals in Thailand. Health Insurance System research Office.
- **Wongsin, U.**, Pongpattrachai, D., Sakunpanit, T. (2011). Service costing of hospital: case study Lampang hospital. Health Insurance System research office, Health Systems Research Institute.
- **Wongsin, U**. (2009). Health Insurance System Research Office (2009) Financial analysis of Ministry of Public Health's hospitals for Quarter 1-Quart 4 and Annual report 2009.
- **Wongsin, U**. (2008). The relation between net cash flow from operating activity and market share of Listed Company in set50 index. Rangsit University.

PROFESSIONAL PRESENTATIONS

- **Wongsin U**, Pannoi T, Yang YAA, Prutipinyo C. (2026). Application of Social Return on Investment in Healthcare and Public Health: A Scoping Review. Poster presentation at 13th HTAsiaLink Conference 2026,Taipei, Taiwan.
- **Wongsin U**, Chen, T.Y. (2022 October) Risk factors of disability among community-dwelling older adults with hypertension in Thailand: the HART study. Oral presentation at 2022 Taiwan Public Health Joint Annual Conference, Taipei, Taiwan.
- **Wongsin, U**., Chen, T.Y. (2022 March). Prevalence of associated factors of disability among older adults with hypertension in Southeast Asia: A scoping review. Oral presentation at The 8th Asian Conference on Aging & Gerontology, Tokyo, Japan.
- **Wongsin, U**., Wannasri, A., Iqbal, U., Chen, T.Y. (2021 October). Data privacy, regulations and legal issues on COVID-19 tracking Apps: A scoping review. Oral presentation at the 19th International Conference on Informatics, Management and Technology in Healthcare, Athens, Greece.
- **Wongsin, U**., Wannasri, A., Chiangchaisakulthai, K.,Chen, T.Y. (2021 October). The Wellness Center in public hospitals in Thailand: a qualitative assessment using RE-AIM model. Oral presentation at the 19th International Conference on Informatics, Management and Technology in Healthcare, Athens, Greece.
- **Wongsin, U**., Sakunpanit, T., Kijsanayotin, B., Jack Li, Y., Iqbal, U. (2020). Mobile Applications for COVID-19 Tracing in Thailand. Poster presentation at the 40th Joint Conference on Medical Informatics / APAMI2020 conference, Japan.
- **Wongsin, U**., Sakunpanit, T.,Labbenjakul, S., Pongpatrachai,D.(2014). Estimate Unit Cost per day of Long term care for Elderly Universitas.Oral Presentation at the Eighth Postgraduate Forum on Health Systems and Policy, Gadjah Mada, Indonesia.
- **Wongsin, U**., Pongpattrachai, D. (2011). DRG -BASED PAYMENT OF PRIVATE

HOSPITAL. Oral presentation at The Fifth Postgraduate Forum on Health Systems and Policy. Universitas Gadjah Mada, Indonesia

AWARDS & SCHOLARSHIP

- Student Research Paper Award from Taipei Medical University, Taiwan.
- First Prize-group of "Young Students" in the Share Our Hub held 2021, Taipei Medical University, Taiwan
- Best presentation award in 2020 Asia- Pacific Health Promotion Capacity building workshop (APACPH), Taipei, Taiwan.
- Ministry of Science and Technology (MOST scholarship), Taiwan, awarded a scholarship for a conference.
- College of Public Health, Taipei Medical University, Taiwan awarded a scholarship for a conference.
- Ministry of Education (MOE scholarship), Taiwan Government, awarded a full scholarship for a Ph.D. degree.
- Rangsit University, Thailand awarded a full scholarship for a Master's degree
- North Bangkok University, Thailand awarded a full scholarship for a Bachelor's Degree
- Royal Thai Government scholarship, Thailand for attending provider of health care of the health security systems.
- World Bank, ANHSS, and USAID awarded a scholarship for attending Asia Regional Flagship Course on Health System Strengthening and Sustainable Financing-The Challenge of Universal Health Coverage (UHC)
- A certificate of merit student from North Bangkok University.

Committee Member / Academic Expert

- Committee Member and Secretary, Doctor of Philosophy Program in Public Health Administration (Regular and Special Programs), Faculty of Public Health, Mahidol University.
- Subcommittee Member on the Development of Medical Benefits and Service Systems, Social Security Office.
- Subcommittee Member on Monitoring, Criteria Setting, and Review of Medical Service Data, Social Security Office.