

Li-Lin Liang, Ph.D., MSc, B.B.A

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Supervisory Board, Taiwan Health Economics Association
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Education

- Ph.D. London School of Economics and Political Science**
Major: Health Economics
- MSc Imperial College London**
Major: Health Management
- B.B.A National Taiwan University**
Major: International Business

Employment

Associate Professor

- National Yang Ming Chiao Tung University, Institute of Public Health

Evaluation Committee

- Public Health & Social Medicine Division, Ministry of Science & Technology

Supervisory Board

- Taiwan Health Economics Association

Associate Professor

- National Sun Yet-San University, Department of Business Management

Deputy Secretary-General

- Taiwan Health Economics Association

Assistant Professor

- National Sun Yet-San University, Department of Business Management

Post-doctoral fellow

- National Yang-Ming University, Institute of Hospital and Health Care Administration

The World Bank

- Consultant

Corresponding Research Fellow

- Peking University, China Centre for Health Economic Research

Assistant Professor

- Peking University, China Centre for Health Development Studies

Awards (recent 3 years)

- UK Alumni Award, The British Council, 2022
- Taiwan Evidence-Based Medicine Association (TEBMA) Best Paper Award, 2021
- Academic Merit Award, National Sun Yat-sen University, 2021
- FWCI Award, National Sun Yat-sen University, 2021
- Taiwan Research Highlight (GASE), Ministry of Science & Technology, 2020

Research Interests

Health economics; Applied econometrics; COVID-19; Provider payment systems; Integrated care; Health expenditures; Physician incentives; Cross-country analysis; China Health Reform

Publication

* corresponding author

1. Vipin Saini, **Li-Lin Liang***, Yu-Chen Yang, Huong Mai Le, Chun-Ying Wu. The association between dissemination and characteristics of pro-/anti-COVID-19 vaccine messages on Twitter: application of the Elaboration Likelihood Model. *JMIR Infodemiology* 2022; 2(1): e37077.
2. Polašek O, Wazny K, ..., **Li-Lin Liang**, ..., et al (including 67 co-authors). Research priorities to reduce the impact of COVID-19 in low- and middle-income countries. *Journal of Global Health* 2022; 12: 09003.
3. Cheng We, Chen-Te Hsu*, **Li-Lin Liang**. A review of the effects of physical activity and fitness on common diseases and medical expenditure of children and adolescents. *Quarterly of Chinese Physical Education* 2022; 36(2): 93-100 [In Chinese].
4. Teng-Li Lin, Yi-Hsuan Fan, Yi-Ling Chang, Hsiu J. Ho, **Li-Lin Liang**, Yi-Ju Chen*, Chun-Ying Wu*. Early-life antibiotic exposure associated with varicella occurrence and breakthrough infections: Evidence from nationwide pre-vaccination and post-vaccination cohorts. *Frontiers in Immunology* 2022;13.
5. **Li-Lin Liang**, Hsu-Sung Kuo, Hsiu J. Ho, Chun-Ying Wu*. COVID-19 vaccinations are associated with reduced fatality rates: evidence from cross-county quasi-experiments. *Journal of Global Health* 2021; 11: 05019
6. **Li-Lin Liang**, Chien-Tse Kao, Hsiu J. Ho, Chun-Ying Wu*. COVID-19 case doubling time associated with non-pharmaceutical interventions and vaccination: a global experience. *Journal of Global Health* 2021; 11: 05021
7. **Li-Lin Liang***, A Dale Tussing, Nicole Huang, Shu-Ling Tsai. Incentives for physician teams: Effectiveness of performance feedback and payment distribution methods. *Health Policy* 2021; 125:1377-1384.
8. **Li-Lin Liang**, Ching-Hung Tseng, Hsiu J. Ho, Chun-Ying Wu*. Covid-19 mortality is negatively associated with test number and government effectiveness. *Scientific Reports*

2020; 10: 12567.

9. **Li-Lin Liang**, Nicole Huang, Yi-Jung Shen, Annie Yu-An Chen, and Yiing-Jenq Chou*. Do patients bypass primary care for common health problems under a free-access system? Experience of Taiwan." *BMC Health Services Research* 2020; 20, no. 1: 1050.
10. **Li-Lin Liang***. Impact of integrated healthcare: Taiwan's Family Doctor Plan. *Health Policy and Planning* 2019; 34: ii56-ii66.
11. **Li-Lin Liang***, A. D. Tussing. The cyclicity of government health expenditure and its effects on population health. *Health Policy* 2019; 123: 96-103.
12. Chen-Mei Hsu*, **Li-Lin Liang**, Yun-Te Chang, Wang-Chuan Juang. Emergency department overcrowding: quality improvement in a Taiwan medical center. *Journal of the Formosan Medical Association* 2019; 118(1, Part 1): 186-193.
13. **Li-Lin Liang***. Do DRG-based payments incentivize hospitals to adjust output mix? The own-price and cross-price effects. *Health Economics* 2015; 24(4): 454-469.
14. **Li-Lin Liang***, Andrew Mirelman. Why do some countries spend more for health? An assessment of sociopolitical determinants and international aid for government health expenditures. *Social Science & Medicine* 2014; 114: 161-168.
15. **Li-Lin Liang***, J. C. Langenbrunner. The Long March to Universal Health Coverage: Outside Looking in. *Chinese Journal of Health Policy* 2013; 6 (2):1-3 [in Chinese].
16. Chen Gung*, **Li-Lin Liang**. Measuring health system efficiency: a cross-country comparison using non-parametric methods. *Chinese Journal of Health Policy* 2012; 5 (3): 61-66 [in Chinese].

Research Project

- **Li-Lin Liang** (PI). The Impact of Anti-contagion Policies and Behaviour on the COVID-19 Pandemic; Variation in Pandemic Outcomes and Social Vulnerability Index; the Health Effects of COVID-19. Ministry of Science and Technology (111-2314-B-110-001-MY3). 2022-2025
- **Li-Lin Liang** (co-PI). COVID-19 Nonpharmaceutical Interventions, Vaccination and Mobility: Cross-country analysis. Research Center for Epidemic Prevention, National Yang Ming Chiao Tung University; Ministry of Science and Technology (111-2321-B-A49-007). 2022-2025
- **Li-Lin Liang** (co-PI). Nudge-based Interventions, Decision-Analytic Modeling and Economic Evaluations: Prevention and Treatment of Hepatocellular Carcinoma. Ministry of Health and Welfare (MOE-SA-1100048299). 2022-2025
- **Li-Lin Liang** (co-PI). Student Physical Fitness, Healthcare Utilization and Health: Merging Physical Fitness and Health Insurance Data. Ministry of Education. 2021-2023
- **Li-Lin Liang** (PI). Strengthening Primary Care: Does Having a Family Doctor Improve Continuity of Care and Reduce Mortality? Ministry of 2020-2022

Science and Technology (109-2410-H-110-016-MY2).

- **Li-Lin Liang** (PI). Integration, Incentives and Variation in Group Performance: Evidence from Taiwan Family Doctor Plan. Ministry of Science and Technology (108-2410-H-110-025-). 2019-2020
- **Li-Lin Liang** (PI). Is Pay-for-Performance or Family Doctor Plan More Effective? An Evaluation of Multiple Programs with Overlapping. Ministry of Science and Technology (107-2410-H-110-072). 2018-2019
- **Li-Lin Liang** (PI). Impact of Phasing in DRG-Based Payment on Patient Outcome and Resource Utilization: A Long-Term Evaluation. Ministry of Science and Technology (106-2410-H-110-076). 2017-2018
- **Li-Lin Liang** (PI). Group-based P4P and Health Care Integration: Impact of Family Doctor Plan in Taiwan and Its Determinants. Ministry of Science and Technology (105-2410-H-110-053). 2016-2017
- **Li-Lin Liang** (PI). Regional Variation in Health Care and Doctors' Practice Style: Evidence from Taiwan. Ministry of Science and Technology (104-2314-B-110-001-MY2). 2015-2016

Teaching

- National Yang Ming Chiao Tung University
Economics; Dialog on Health Economics; Health Big Data Research Methodology; Applied Econometrics for Health Policy; Public Health Policy and Law Seminar; Graduate Seminar on International Health
- National Sun Yat-sen University
Introduction to Business; Economics II (macroeconomics); Health Economic Evaluation; Health Economics, Policy and Management; Advanced Health Economics; Advanced Statistics with Applications to Health Services Research; Hospital Operations Management
- Peking University
Health System and Policy (English); Health Financing and Policy (English)