

Xiaojun Lin

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EDUCATION

- PhD Social Medicine and Health Management, Huazhong University of Science and Technology, China, 2019
- BMS Public Administration, Huazhong University of Science and Technology, China, 2014

APPOINTMENTS

- 2021– Sichuan University
Associate Professor, Department of Health Policy and Management
- 2019–21 Sichuan University
Assistant Professor, Department of Health Policy and Management
- 2019– Sichuan University
Postdoctoral Researcher, Department of Health Policy and Management
- 2019– Sichuan University
Research Fellow, Institute for Healthy Cities and West China Research Centre for Rural Health Development

RESEARCH AREAS

Health policy and economics: health market structure; health technology diffusion; variation in quality

PUBLICATIONS

Journal Articles

- 2022 Cai, M., Liu, E., Bai, P., Zhang, N., Wang, S., Lin, H., and Lin, X*. “The Chasm in Percutaneous Coronary Intervention and In-hospital Mortality Rates among Acute Myocardial Infarction Patients in Rural and Urban Hospitals in China: A Mediation Analysis”. *International Journal of Public Health*, 21, 1322. doi: 10.3389/ijph.2022.1604846
- 2022 Cai, M., Zhang, S., Lin, X., Qian, Z., McMillin, S. E., Yang, Y., Zhang, Z., Pan, J., and Lin, H. “Association of Ambient Particulate Matter Pollution of Different Sizes With In-Hospital Case Fatality Among Patients With Stroke in China”. *Neurology*, 98(24), e2474-e2486. doi: 10.1212/WNL.0000000000200546. (Press Release)
- 2021 Lu, L., Lin, X., and Pan, J. “Heterogeneous effects of hospital competition on inpatient costs: An empirical analysis of diseases grouping basing on conditions’ complexity and urgency”. *BMC Health Services Research*, 21, 1322. doi: 10.1186/s12913-021-07331-1

- 2021 Lin, X., Lu, L., and Pan, J. "Hospital market competition and health technology diffusion: An empirical study of laparoscopic appendectomy in China." *Social Science & Medicine*, 286, 114316. doi:10.1016/j.socscimed.2021.114316
- 2021 Chen, Y., Cai, M., Li, Z., Lin, X., and Wang, L. "Impacts of the COVID-19 Pandemic on Public Hospitals of Different Levels: Six-Month Evidence from Shanghai, China." *Risk Management and Healthcare Policy*, 14, 3635-3651. doi:10.2147/RMHP.S314604
- 2020 Lin, X., Jian, W., Yip, W., and Pan, J. "Perceived Competition and Process of Care in Rural China." *Risk Management and Healthcare Policy*, 13, 1161-1173. doi:10.2147/RMHP.S258812
- 2020 Lin, X., Green, J., Xian, H., Cai, M., Skrzypek, J., and Tao, H. "Holiday and weekend effects on mortality for acute myocardial infarction in Shanxi, China: A cross-sectional study." *International Journal of Public Health* 65(6), 847-857. doi:10.1007/s00038-020-01443-x
- 2020 Cai, M., Liu, E., Zhang, R., Lin, X., Rigdon, S.E., Qian, Z., Belue, R., and Chang, J.J. "Comparing the Performance of Charlson and Elixhauser Comorbidity Indices to Predict In-Hospital Mortality Among a Chinese Population." *Clinical Epidemiology* 12, 307—316. doi:10.2147/CLEP.S241610
- 2019 Ni, Z., Lin, X., Wang, Y., Jiang, T., and Tao, H. "Hospital volume and outcomes for inpatients with acute myocardial infarction in Shanxi, China: A cross-sectional study." *The International Journal of Health Planning and Management* 34(4), 1195–1204. doi:10.1002/hpm.2787
- 2018 Lin, X., Cai, M., Fu, Q., He, K., Jiang, T., Lu, W., Ni, Z., and Tao, H. "Does hospital competition harm inpatient quality? Empirical evidence from Shanxi, China." *International Journal of Environmental Research and Public Health* 15(10), 2283. doi:10.3390/ijerph15102283
- 2018 Xu, C., Fu, Q., Tao, H., Lin, X., Wang, M., Xia, S., and Xiong, H. "Effect of Cesarean Section on the Severity of Postpartum Hemorrhage in Chinese Women: The Shanxi Study." *Current Medical Science* 38(4), 618–625. doi:10.1007/s11596-018-1922-1
- 2018 Cai, M., Liu, E., Tao, H., Qian, Z., Fu, Q.J., Lin, X., Wang, M., Xu, C., and Ni, Z. "Does a medical consortium influence health outcomes of hospitalized cancer patients? An integrated care model in Shanxi, China." *International Journal of Integrated Care* 18(2), 7. doi:10.5334/ijic.3588
- 2018 Wang, M., Han, X., Fang, H., Xu, C., Lin, X., Xia, S., Yu, W., He, J., Jiang, S., and Tao, H. "Impact of Health Education on Knowledge and Behaviors toward Infectious Diseases among Students in Gansu Province, China." *BioMed Research International*, 6397340. doi:10.1155/2018/6397340
- 2018 Cai, M., Liu, E., Tao, H., Qian, Z., Lin, X., and Cheng, Z. "Does Level of Hospital Matter? A Study of Mortality of Acute Myocardial Infarction Patients in Shanxi, China." *American Journal of Medical Quality* 33(2), 185–192. doi:10.1177/1062860617708608
- 2017 Lin, X., Cai, M., Tao, H., Liu, E., Cheng, Z., Xu, C., Wang, M., Xia, S., and Jiang, T. "Insurance status, inhospital mortality and length of stay in hospitalised patients in Shanxi, China: a cross-sectional study." *BMJ Open* 7(7), e015884. doi:10.1136/bmjopen-2017-015884
- 2017 Wang, M., Fang, H., Tao, H., Cheng, Z., Lin, X., Cai, M., Xu, C., and Jiang, S. "Bootstrapping data envelopment analysis of efficiency and productivity of county public hospitals in Eastern, Central, and Western China after the public hospital reform." *Current Medical Science* 37(5), 681-692. doi:10.1007/s11596-017-1789-6
- 2016 Lin, X., Tao, H., Cai, M., Liao, A., Cheng, Z., and Lin, H. "A Systematic Review and

- Meta-Analysis of the Relationship Between Hospital Volume and the Outcomes of Percutaneous Coronary Intervention.” *Medicine* 95(5), e2687. doi:10.1097/MD.0000000000002687
- 2016 Cheng, Z., Cai, M., Tao, H., He, Z., Lin, X., Lin, H., and Zuo, Y. “Efficiency and productivity measurement of rural township hospitals in China: a bootstrapping data envelopment analysis.” *BMJ Open* 6(11), e011911. doi:10.1136/bmjopen-2016-011911
- 2015 Cheng, Z., Tao, H., Cai, M., Lin, H., Lin, X., Shu, Q., Zhang, R.N. “Technical efficiency and productivity of Chinese county hospitals: An exploratory study in Henan province, China.” *BMJ Open* 5(9), e007267. doi:10.1136/bmjopen-2014-007267

Conference Abstract

- 2018 Lin, X., Jiang, T., He, K., Lu, W., Ni, Z., and Tao, H. “Exploring the effect of weekend admissions to hospital on health outcomes of inpatients with acute myocardial infarction in Shanxi, China: a longitudinal study.” . 2018 Lancet-CAMS Health Summit, Beijing, China. Oct 30–31. doi: 10.1016/S0140-6736(18)32648-5
- 2016 Lin, X., Tao, H., Cai, M., Cheng, Z., Wang, M., Xu, C., Lin, H., and Jin, L. “Health insurance and quality and efficiency of medical care for patients with acute myocardial infarction in tertiary hospitals in Shanxi, China: a retrospective study.” . 2016 Lancet-CAMS Health Summit, Beijing, China. Oct 30–31. doi: 10.1016/S0140-6736(16)31997-3

PRESENTATION AND TALKS

Conference Presentation

- 2020 “Hospital market competition and health technology diffusion: an empirical study of the use of laparoscopic appendectomy for acute appendicitis in China.” 2020 Health Management and Medicine Youth Forum. Xi’an, China. Oct 16–18.
- 2019 “The Impact of Competition on Process of Care for Patients with Pneumonia: Evidence from Guizhou, China.” 2019 Health Management and Medicine Youth Forum. Chengdu, China. Oct 19–20.
- 2019 “Does the medical consortium reform improve hospital efficiency? Evidence from secondary general hospitals in Shanxi, China, 2013-2017.” The 1st Health Economics and Policy Academic Forum. Beijing, China. Mar 30–31.
- 2019 “Does the medical consortium reform improve hospital efficiency? Evidence from secondary general hospitals in Shanxi, China, 2013-2017.” . The 4th Westlake Youth Forum, Hangzhou. Jun 10–13.

Campus Talks

- 2022 “How to begin a research”. HEOA Workshop, Chengdu, China. Apr 5
- 2021 “Experience sharing on NSFC proposal writing”. West China School of Public Health, Chengdu, China. Nov 26
- 2021 “A brief introduction of R and Stata”. HEOA Workshop, Chengdu, China. Oct 11

GRANTS AND AWARDS

Grants

- 2022-24 National Nature Science Foundation of China, Hospital market competition and inpatient quality of care: impacts, mechanisms and policy research (Grant No. 72104158), RMB 300,000, PI.
- 2021-22 Chinese Postdoctoral Science Foundation, The impact of Hospital market competition on process of care in China (Grant No. 2020M683297), RMB 50,000, PI.

Awards

- 2018 Hubei Science and Technology Progress Award (Second Class, Rank No.8)

COURSE TAUGHT

Health Statistics (II), for graduate student

SERVICE

Academic Journal Peer Review

International Journal of Equity in Health

BMC Public Health

INQUARY

Service to School

International Office of West China School of Public Health (assistant position), Sichuan University, Nov, 2019– Apr, 2020

R PACKAGE DEVELOPMENT

- amapR* An R package using AMap Web Service API to convert between addresses and coordinates
Source: <https://github.com/xiaojunlin/amapR>
- saber* Standardization of address using Baidu natural language processing API easily in R
Source: <https://github.com/xiaojunlin/saber>

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