

Jiahao Wang

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EDUCATION

Master Candidate, Health Economics, School of Public Health, Peking University 2020 - Present

- GPA: 3.73 / 4.00
- Core Courses (Grade): Econometrics (A), Epidemiology (A), Advanced Health Statistics Series (A&B), etc.
- Supervisor: Hai Fang (Professor, China Center for Health Development Studies, Peking University;
Deputy director, PKU-Chinese CDC Joint Center for Vaccine Economics)

Bachelor of Medicine, School of Public Health, Peking University 2015 – 2020

- GPA: 3.53 / 4.00

Bachelor of Economics (double degree), National School of Development, Peking University 2016 – 2020

RESEARCH INTEREST

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| Social Determinants of Health | Health Economics | Health Equity |
| Implementation Science | Modeling in Population Health | Urban Health |

PUBLICATIONS

Books and Chapters

1. Wang, J., Fang, H. (2021). Economic evaluation of national rotavirus vaccination program in China. Economic Evaluation of Five Non-Expanded Program on Immunization Vaccines in China. Beijing: People's Medical Publishing House. (forthcoming in Oct 2021)

Peer-Reviewed Articles

1. Wang, J., Jing, R., Lai, X., Zhang, H., Lyu, Y., Knoll, M. D., & Fang, H. (2020). Acceptance of COVID-19 Vaccination during the COVID-19 Pandemic in China. *Vaccines*, 8(3), 482. <https://doi.org/10.3390/vaccines8030482>. (Citation=204)
2. Wang, J., Lyu, Y., Zhang, H., Jing, R., Lai, X., Feng, H., Knoll, M. D., & Fang, H. (2021). Willingness to pay and financing preferences for COVID-19 vaccination in China. *Vaccine*, 39(14), 1968–1976. <https://doi.org/10.1016/j.vaccine.2021.02.060>
3. Wang, J., Lu, X., Lai, X., Lyu, Y., Zhang, H., Fenghuang, Y., Jing, R., Li, L., Yu, W., & Fang, H. (2021). The Changing Acceptance of COVID-19 Vaccination in Different Epidemic Phases in China: A Longitudinal Study. *Vaccines*, 9(3), 191. <https://doi.org/10.3390/vaccines9030191>. (Citation=27)
4. Jing, R., Li, L., Guo, J., Song, Y., Geng, S., Wang, J., Zhang, H., Lai, X., Lyu, Y., Feng, H., Yu, W., Zhu, H., & Fang, H. (2021). The associations of geographic location and perceived risk of infection with the intentions to get vaccinated against COVID-19 in China. *Expert review of vaccines*, 1–10. Advance online publication. <https://doi.org/10.1080/14760584.2021.1969917>

Oral Presentations

1. Wang, J., Fang, H. Public Health Impact and Cost-effectiveness of Rotavirus Vaccination in China: Comparison Between Private-sector Provision Only and a Potential National Immunization Program. *International Health Economics Association (iHEA) 2021 Congress*.
2. Wang, J., Fang, H. The Changing Acceptance of COVID-19 Vaccination in Different Epidemic Phases in China. *China Health Policy and Management Society (CHPAMS) 2021 Symposium*.

Working Papers

1. **Wang, J.**, Yuan, B., Lu, X., Liu, X., Li, L., Geng, S., Zhang, H., Lai, X., Lyu, Y., Jing, R., Guo, G., Yu, W., Fang, H. (2021). Willingness to Accept COVID-19 Vaccine Among the Elderly and the Chronic Disease Population in China. *Human Vaccines & Immunotherapeutics*. (Under review, second round).
2. **Wang, J.**, Zhu, H., Lai, X., Zhang, H., Huang, Y., Fenghuang, Y., Lyu, Y., Jing, R., Guo, G., Fang, H. (2021). From COVID-19 Vaccination Intention to Actual Vaccine Uptake: A Longitudinal Study Among Chinese Adults After Six Months of a National Vaccination Campaign. *Expert review of vaccines*. (Under review, first round).
3. Lai, X., Zhu, H., **Wang, J.**, Jing, R., Lyu, Y., Zhang, H., Fenghuang, Y., Guo, G., Huang, Y., Fang, H. (2021). Public Perceptions and Acceptance of Potential COVID-19 Booster Vaccination in China. *Expert review of vaccines*. (Under review, first round)
4. Fenghuang, Y., Zhang, H., Cao, L., Li, L., **Wang, J.**, Lai, X., Lyu, Y., Jing, R., Guo, G., Fang, H. (2021). Caregivers' Intentions to COVID-19 Vaccination for Their Children in China: A Cross-Sectional Survey. *Human Vaccines & Immunotherapeutics*. (Under review, second round)
5. Lyu, Y., Lai, X., Ma, X., Cao, L., Lei, H., **Wang, J.**, Zhang, H., Jing, R., Fenghuang, Y., Fenghuang, Y., Guo, G., Li, L., Fang, H. (2021). The Acceptance of COVID-19 Vaccination Under Different Methods of Investigation: Based on Online and On-site Surveys in China. *Frontiers in Public Health*. (Under review, first round)
6. **Wang, J.**, Lu, X., Jing, R., Fang, H. (2021). The Role of General Vaccination Attitude and Perception on the Newly-developed Vaccine: Results From a Survey of Chinese Adults to Accept the COVID-19 Vaccine. (Pre-submission)

RESEARCH EXPERIENCE & PROFESSIONAL PRACTICE

Research experience
1. Informing evidence-based strategies to promote COVID-19 vaccine uptake in China Mar. 2020- Present
Contents:

- Integrating health behavior, policy, and economic perspectives, assess COVID-19 vaccine hesitancy and willingness to pay by the public; examine the impact of the (past) vaccination in general on the attitudes and perceptions for a specific vaccine against newly-emerging diseases;
- Examine actual vaccine uptake since the vaccination campaign and its relationship with vaccination to evaluate the effectiveness of ongoing vaccination policies in China;
- Conduct economic evaluation of the national COVID-19 vaccination to prepare for long-term prevention, accounting for the change in disease progress, vaccine development, and policy priority.

Role:

- Lead online longitudinal studies (e.g., design research proposal, coordinate with institutes, conduct surveys) under different epidemic stages following Chinese adults (sample size=3000).
- Conduct statistical analysis and introduce relatively novel methods into the analyses, including Tobit regression, path analysis, traditional and generalized logit regression models.
- Design study and provide guidance and support for the Chinese Center for Disease Control and Prevention to conduct field survey in six provinces of China (sample size=7500).
- Draft, submit and revise related manuscripts.

2. Economic evaluation of rotavirus vaccination program in China

Jul. 2020 - Present

Contents: Assess the health and economic impact, and health equity outcome of the mass rotavirus vaccination program for children under 5 years at regional (provincial) and national levels.

Role:

- Constructing decision tree-Markov models to evaluating disease burden and economic burden of rotavirus disease;
- Acquiring related parameters via the incorporation of systematic review, literature, and data of databases (e.g., surveillance system, medical insurance database);

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- Suggesting the cost-effectiveness of the potential vaccination program compared with the current private-market scenario.
 - 3. **Systematic review of financial rewards for primary health workers and factors influencing their perception in low-and middle-income countries** *Undergraduate*
 - 4. **Association between rare earth element exposure and in vitro fertilization-embryo transfer (IVF-ET) outcomes of infertile women** *Undergraduate*
 - 5. **Dietary behaviors and food choices of Chinese residents in four typical cities with different local dietary cultures** *Undergraduate*

Professional practice

1. **Clinical Rotation, Beijing Shijitan Hospital (one of China's top-tier hospitals), Beijing** *Feb. 2018 – Mar. 2019*
 - Assist attending doctors in clinical practices, including consultation, diagnosis, prescription, surgery, etc.
 - Gain experience in clinical practices, hospital management, and doctor-patient communication by rotations in diverse departments (e.g. internal medicine, surgery, gynecology, pediatric, etc.)
2. **Internships, Longgang (county) Center for Disease Control and Prevention, Shenzhen** *Jul. 2019 – Sep. 2019*
 - Participate in daily duties in diverse divisions (e.g., disinfection insecticides, AIDS Prevention, occupational disease prevention, immunization, health promotion, epidemiology, etc.)
 - Gain hands-on experience by frontline activities and apply knowledge of disease prevention and control into practices, including epidemical field investigations, using related instruments for sampling (e.g., water, noise, bacteria), hosting community health literacy contests, and conducting disease and cause-of-death surveillance.

Teaching Assistant

1. **Teaching Assistant, *Introduction to Health Services Research* (in English)** *Sep. 2021 - Present*

MEMBERSHIPS & PROFESSIONAL SERVICE

Memberships

- International Health Economics Association (iHEA)
- China Health Policy and Management Society (CHPAMS)

Referee

- International Journal of Health Policy and Management
- Applied Health Economics and Health Policy
- PLOS Neglected Tropical Diseases
- BMJ open
- Risk Management and Healthcare Policy

HONORS & SCHOLARSHIPS, SKILLS, LINGUISTIC PROFICIENCY

Honor & Scholarships:

- Peking University (PKU) Merit Student (twice)
- PKU First-class National Academic Scholarship for Graduate Students
- PKU First-class Scholarship for Excellent Medical Students
- PKU Academic Excellence Award (twice), etc.

Skills: Statistical Packages: STATA, TREEAGE, SPSS, R, AMOS

Languages:

- Chinese: Native
- English: Professional working proficiency (GRE: V157+Q170, TOEFL: 104)

