

Mingyang Zhang

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EDUCATION

University of Illinois at Chicago, School of Public Health **Chicago, IL**
Ph.D. student in Health Policy and Administration *Present*

- Relevant Coursework: Microeconomics, Econometrics, Longitudinal Data Analysis, ArcGIS

Tulane University, School of Public Health and Tropical Medicine **New Orleans, LA**
Master of Public Health in Health Policy *May 2023*

- Relevant Coursework: Biostatistics, Health Economics, Population and Policy Analysis, Data Management, Statistical Computing and Learning
- GPA: 3.8/4.0

Nanchang University, School of Public Health **Nanchang, China**
Bachelor of Medicine in Public Health *July 2021*

- Major in Preventive Medicine

RESEARCH EXPERIENCE

Tulane University *New Orleans, LA*

The Effect of Medicaid Expansion on the Short-Term Loans in Louisiana

Research Assistant

Mar 2022 - May 2023

Advisor: Kevin Callison, Ph.D., Assistant Professor, Department of Health Policy and Management

- Examine the connection between Medicaid expansion and non-medical debt.
- Utilize a difference-in-differences design to analyze the impact of Medicaid expansion in Louisiana on short-term lending by matching quantitative data with Medicaid eligibility status.
- Clean and manage credit report datasets from Clarity Services using Stata.
- Write and edit a manuscript (in progress).

Peking University China Center for Health Economic Research (CCHER) *Beijing, China*

The Economic Experiment of Targeted Health Poverty Alleviation—Based on Intervention Study in Liangshan, Sichuan Province

Research Assistant

Sep 2019 - Present

Advisor: Gordon Liu, Ph.D., Dean of Institute for Global Health and Development, BOYA Professor of Economics, National School of Development

- Conducted an experimental policy study (National Natural Science Key Project) on the health system in Liangshan Yi Autonomous Prefecture, Sichuan Province.
- Divided 50 Liangshan Counties into control and treatment groups and built an Integrated Health Information Platform (a system of health-promoting policies) in treatment counties.
- Responsible for one of the disease intervention studies; wrote protocols on alcohol and pelvic floor dysfunction disease intervention, including sampling, outcome measures, and survey implementation.
- Conducted field research, participated in baseline investigation through Liangshan Health Commission, and trained over a hundred local students and village doctors on technical systems.

Sichuan University West China Research Center for Rural Health Development (WCRC-RHD) *Chengdu, China*

Assessing the Quality of Primary Healthcare in Seven Chinese Provinces with Unannounced Standardized Patients: A Cross-Sectional Survey

Research Assistant

Aug 2020 - Nov 2020

Advisor: Jay Pan, Ph.D., Professor, Associate Dean of West China School of Public Health

- Collected and presented descriptive data on the quality of China's primary healthcare through standardized patients' investigation.
- Planned the survey route of standardized patients.
- Participated in investigations in 3 counties of Sichuan province along with standardized patients. Recorded conversations and filled in the Patient Perception of Patient-Centeredness Rating Scale.

Nanchang University (NCU)

Nanchang, China

The Effect of the Structure-Activity Relationship on 2-NH₂ Pyridine 3-Substituted Nitrogen-Linked Modified Podophyllotoxin Derivatives

Leader of Project

May 2017 - Apr 2019

Advisor: Huai Wang, Ph.D., Associate Professor, School of Public Health, Nanchang University

- Assessed the effects of Podophyllum compounds on Hepatocellular Carcinoma using computer-aided drug design technology and explained the mechanisms for its tumor-suppressive function.
- Conducted a molecular docking study to analyze the binding affinity between compounds and their targeted proteins. Performed qPCR to assess RNA expressions.
- Published an article as a co-first author on *Anti-Cancer Agents in Medicinal Chemistry*.

TEACHING EXPERIENCE

Public Health Systems, Community Health Methods, and Management

Teaching Assistant

Spring 2024

PUBLICATIONS

Chen, H., **Zhang, M.**, Wang, Z., Li, L., Li, Q., & Wang, H. (2020). The Effect of p53-R249S on the Suppression of Hepatocellular Carcinoma Cells Survival Induced by Podophyllum Derivatives. *Anti-cancer agents in medicinal chemistry*, 20(7), 865–874. <https://doi.org/10.2174/1871520620666200218110047>

INTERNSHIP & ACTIVITIES

Analysis Group, Inc

Jun 2022 - Aug 2022

- Participated as a summer intern analyst in a leukemia project for Health Economics Outcome Research.
- Collaborated with teams to develop an electronic case report form (eCRF) and built a Hematology Prospective Longitudinal Cohort.
- Created a literature review that assessed treatment guidelines for leukemia and sorted out the therapy regimen and treatment.

Center for Disease Control and Prevention, City of Anshan

Mar 2020 - Jun 2020

- Participated in epidemiological investigations and managed close contacts during the pandemic.
- Processed daily reported infectious diseases data and filled in the China National Infectious Disease Database.

Anshan Hospital, the First Affiliated Hospital of China Medical University

Jun 2019 - Sep 2019

- Participated in outpatient diagnosis and treatment as a rotating medical intern.
- Rotated in the Department of Cardiology, Gynecology and Obstetrics, Pulmonology, and Surgery, completed case reports and assisted in the surgery.

OTHERS

Technical Skills: SPSS, SAS, R, Stata, ArcGIS

Certifications: China Red Cross & AHA First-Aid Certificate