**Hangqing Ruan**

Department of Sociology, University at Buffalo, SUNY

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**Employment**

2023- Postdoctoral Fellow, Department of Sociology, University at Buffalo, SUNY

Project: “The Demography of Chronic Pain: A Population Approach to Pain Trends, Pain Disparities, and Pain-Related Disability and Death” (PI: Grol-Prokopczyk, Hanna)

**Education**

2023 December Ph.D. Sociology

University of Maryland, College Park, MD, USA

*Dissertation:* Epidemiological Transition and Shifting Mortality Inequality: An Extension of Fundamental Cause Theory

*Committee:* Joan Kahn (Chair), Feinian Chen, Philip Cohen, Michael Rendall, Quynh Nguyen

2020 May M.A., Sociology

University of Maryland, College Park, MD, USA

2018 June M.A., Demography

Peking University, Beijing, China

2015 June B.A., Sociology

Peking University, Beijing, China

**Research Interests**

Medical Sociology Social Determinants of Health Disability and Mortality

Chronic Pain & Opioid Aging & Health Work, Family & Health

**Peer-Reviewed Publications \*Graduate Students**

**Ruan, Hangqing\*,** Ke Shen, & Feinian Chen. 2022. “Negative Life Events, Social Ties, and Depressive Symptoms for Older Adults in China.” *Frontiers in Public Health*. 9.

Chen, Feinian, Ke Shen, & **Hangqing Ruan\***.2021. "The mixed blessing of living together or close by: Parent–child relationship quality and life satisfaction of older adults in China." *Demographic Research.* 44: 563-594.

Zhang, Dan\*; **Hangqing Ruan\***; Gao, Melody Ge\*; Feinian Chen; Shuzhuo Li. 2022. “Stressful Life Events and Sleep Quality among Older Adults in China: Do Positive and Negative Attitudes toward Aging Play a Role?” Aging and Society,1-19.

Burnette, Denise, Xujingzi Ye\*, Zhaowen Cheng\*, & **Hangqing Ruan\*.** 2021,"Living alone, social cohesion, and quality of life among older adults in rural and urban China: a conditional process analysis." *International Psychogeriatrics* 33, no. 5:469-479.

Li, Shengxiao\* Alex, Yixue Zhang\*, **Hangqing Ruan\***, Erick Guerra, & Denise Burnette. 2020. "The role of transportation in older adults' use of and satisfaction with primary care in China." *Journal of Transport & Health.* 18:100898.

Gao, Melody Ge\*, and **Hangqing Ruan\*.** 2022. "Work-Family Policies and Gender Inequalities in Childcare Time." Socius 8: 23780231221142677.

**Articles Under Review \*Graduate Students**

**Ruan, Hangqing,** Anna Zajacova1, Hanna Grol-Prokopczyk, Zachary Zimmer. Does Pain Explain Trends in Disability? An Analysis of Middle-Aged and Older US Adults, 2002-2018. **R&R** at *The Journals of Gerontology: Social Sciences*

**Ruan, Hangqing,** Melody Ge Gao\*. Yajie Xiong\*, Philip Cohen. Marital Status and Deaths from Alcohol, Drug Overdose, and Suicide in the United States: 2000-2020. **R&R (minor revision)** at *Socius: Sociological Research for a Dynamic World*

**Ruan, Hangqing.** The Evolving Patterns of Socioeconomic Disparities in Mortality in the United States (1969-2020): A Fundamental Cause Theory Perspective. Under Review

**Working Paper \*Graduate Students**

**Ruan, Hangqing,** Hanna Grol-Prokopczyk. The Role of Pain in Educational Disparities in Disability: A Study of Middle-Aged and Older Adults in the United States.

**Ruan, Hangqing,** Yulin Yang, Hanna Grol-Prokopczyk. Pain and Mortality Rates in the United States: the Race, Gender, and Socioeconomic Differences.

**Ruan, Hangqing**, Rui Huang\*, Gillian Fennell, Yajie Xiong\* Melody Ge Gao. The Socioeconomic Disparities in Opioid Use Among America Adults from 1990 to 2020: A Fundamental Cause Theory Perspective.

**Ruan, Hangqing,** Melody Ge Gao, Dan Zhang. The Contribution of Chronic Conditions to Increase of Mid-Life Disability in the US from 1997 to 2018.

**Ruan, Hangqing**, Melody Ge Gao. Why Does the Middle-Aged US Population Have a Higher Increase in Disability than Older Adults?

**Ruan, Hangqing.** The Period and Cohort Trends of Activity Limitation Caused by Chronic Conditions (ALCC) and Its Educational Differences in the United States:1997-2018.

**RESEARCH EXPERIENCES**

2019-2020 Research Assistant

* *“Looking Within and Beyond the Household: Intergenerational Ties and Psychological Well-being for Older Adults in China”*. Prof. Feinian Chen, University of Maryland, College Park, MD, USA.

2016-2017 Visiting Researcher

* *“Quality of life among Chinese older adults using WHO’s Global Ageing and Adult Health Survey data (SAGE, China)”* , Prof. Denise Burnette, Virginia Commonwealth University, VA, USA.

2015-2017 Research Assistant.

* *“Survey of the needs of and services for persons with disability in China”* & *“Survey of Urban and Rural Old Adults’ Living Conditions in Beijing”,* Prof. Gong Chen, Peking University, Beijing, China.

**Conference Presentations**

2024 Population Association of America (PAA) Annual Meeting

* Epidemiological Transition and Shifting US Mortality Inequality from 1969 to 2020: An Extension of Fundamental Cause Theory, (Poster Presentation).
* Does Pain Explain Trends in Disability? An Analysis of Middle-Aged and Older US Adults, 2002-2018 (Oral presentation).

2024 Determinants of Adult Mortality, Morbidity, and Healthy Aging in LMICs (Virtual), co-sponsored by the NIA-funded UC Berkeley Center on the Economics and Demography of Aging (CEDA) and the USC/UCLA Center for Biodemography and Population Health (CBPH).

* Divergent Mortality Inequality Trends Across Developed and LMICs: An Extended View of the Fundamental Cause Theory

2023 Population Association of America (PAA) Annual Meeting.

* Diverging Trends in Mortality Inequality Across the Life Course Stages: An Extension of Fundamental Cause Theory (flash presentation)
* Marital Status and Deaths from Alcohol, Drug Overdose, and Suicide in the United States: Before and After COVID-19, 2000–2020 (oral presentation).
* Why Does the Middle-Aged U.S. Population Have a Higher Increase in Disability Than Older Adults? (oral presentation)

2022 American Sociology Association (ASA) Annual Meeting

* "Chronic Conditions and Increase in US Middle-Life Disability: The Causal Contribution and Underlying Mechanisms." (Roundtable)

2022 Population Association of America (PAA) annual meeting.

* “The Role of Chronic Conditions in Explaining the Rising Trends of Middle Life Disability in the US: Higher Prevalence or Higher Disabling Effect?” (Poster presentation, **PAA poster award**).

*2021* Population Association of America (PAA) annual meeting, virtual

* “Age-Period-Cohort Analyses of Activity Limitation Caused by Chronic Conditions (ALCC) in the United States: from 1997 to 2018” (oral presentation)

2020 The Gerontological Society of America (GSA) annual meeting, virtual

* “Negative Life Events, Social ties, and Depressive Symptoms for Older Adults in China” (oral presentation, with Feinian Chen)

2019 American Sociology Association (ASA) Annual Meeting

* “Income-related inequalities in health care utilization among old adults in six LMICs” (oral presentation)

**TEACHING EXPERIENCES**

Spr 2023 Teaching Assistant and Lab Instructor, independently design a 2-hour lab lecture per week to instruct students how to develop a social research paper (with slides, examples of published research and students’ own research), grade students’ research design at each stage and give feedback and suggestions.

* Sociology 202: Introduction to Research Methods in Sociology, University of Maryland, College Park

Spr 2022 Teaching Assistant (Instructing student content analysis, coding, and visualization using Excel)

* Sociology 428: Research in Inequality: Content Analyses of Popular Cultures, University of Maryland, College Park

Fall 2020 Teaching Assistant (Grading, reviewing, and instructing techniques in population structure, life tables, standardization, and projection with real demographic data)

* Sociology 411:Demographic Techniques, University of Maryland, College Park

2018-2019 Teaching Assistant (Grader), University of Maryland, College Park

* Sociology 100: Introduction to Sociology
* Sociology110: The Logic of Social Inquiry

**AWARDS, GRANTS, ANG HONORS**

2022 Ann G. Wylie Dissertation Fellowship ($15000)

Graduate School, University of Maryland, College Park

2022 Dean’s Fellowship ($2500), Graduate School, University of Maryland, College Park

2021 Dean’s Research Initiative Graduate Student Travel Award ($700)

Behavioral & Social Sciences College, University of Maryland, College Park

2021 William H. Form Summer Research Fellowship ($4000)

Department of Sociology, University of Maryland, College Park

2021 Department Support for ICPSR Summer Program ($2800)

Department of Sociology, University of Maryland, College Park

2016 Tang-Lixin Fellowship (choosing 60 people for all of the TOP 5% undergraduates and graduates in Peking University)

Peking University, Beijing, China

2014 First Prize for the 22nd “Academic Challenge Cup” of Peking University

Peking University, Beijing, China

2014 Panasonic Talent Cultivation Scholarship of Peking University

Peking University, Beijing, China

2013 National Encouragement Scholarship

Peking University, Beijing, China

**PROFESSIONAL TRAINING**

2022 Missing Data and Multiple Imputation

Maryland Population Research Center, University of Maryland

2021 Machine Learning (R & Python)

ICPSR Summer Program in Quantitative Methods of Social Research

2021 Multilevel Modeling

ICPSR Summer Program in Quantitative Methods of Social Research

**Professional Services**

Manuscript Reviewer for Journals:

Social Science & Medicine2022

Scientific Reports2022

BMC Geriatrics2022\*3, 2023\*3

BMC Public Health2022,2023\*4, 2024

International Journal for Equity in Health2022 , 2023

Health and Social Care in the Community2023

Rural Sociology2023

Humanities and social science commnicty2023

Psychology Research and Behavior Management2023

**References**

Hanna

Anna

Zak Zimmer

Joan Kahn

Philip Cohen?

Feinian Chen?