

# Yan Zhang

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## EXPERIENCE

<b>Assistant Professor</b> <i>Department of Sociology, East Carolina University</i>	Aug. 2023 – Present <i>Greenville, NC</i>
<b>External Faculty Affiliate</b> <i>Carolina Population Center, UNC–Chapel Hill</i>	Aug. 2023 – Present <i>Chapel Hill, NC</i>
<b>Postdoc Research Scientist</b> <i>Center for Demography of Health and Aging, University of Wisconsin–Madison</i>	2021 – 2023 <i>Madison, WI</i>

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## EDUCATION

<b>Ph.D., Sociology</b> <i>Committee: Hui Liu(Chair), Zhenmei Zhang, Ning Hsieh, William Chopik</i>	Michigan State University, 2021
<b>M.A., Sociology</b>	The State University of New York at Buffalo, 2016
<b>B.A., Sociology</b>	China Agricultural University, 2014

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## RESEARCH INTEREST

Family Demography, Medical Sociology/Population Health, Aging & Life Course, Gender & Sexuality, Quantitative Methodology

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## PEER-REVIEWED PUBLICATIONS

- [14] Yan Zhang and Hui Liu. “Parent-Child Relationship Quality and Older Parents’ Cognitive Trajectories”. In: *Journal of Social and Personal Relationships (In Press)* (2024).
- [13] Yan Zhang and Jason Fletcher. “Research Note: The Association between Parity and Odds of Alzheimer’s Disease and Dementias Status”. In: *Demography (In Press)* (2024).
- [12] Yan Zhang, Yiyang Yuan, Maria Roche-Dean, Irving Vega, and Richard Gonzalez. “A Visualization Tool to Study Dyadic Caregiving Health Profiles”. In: *Journal of Aging and Health* (2024).
- [11] Yan Zhang, Jason Fletcher, Qiongshi Lu, and Jie Song. “Gender differences in the association between parity and cognitive function: Evidence from the UK biobank”. In: *Social Science & Medicine* 320 (2023), p. 115649.
- [10] Jooyoung Kong, Scott D Easton, and Yan Zhang. “Sexual and marital satisfaction in older adulthood: effects of childhood and adulthood violence exposure”. In: *The Gerontologist* 63.2 (2023), pp. 285–296.
- [9] Yan Zhang. “Fertility history and risk of cognitive impairment among older parents in the United States”. In: *The Journals of Gerontology: Series B* 77.12 (2022), pp. 2326–2337.

- [8] Zhenmei Zhang, Hui Liu, and Yan Zhang. “Marital loss and cognitive function: does timing matter?” In: *The Journals of Gerontology: Series B* 77.10 (2022), pp. 1916–1927.
- [7] Yan Zhang and Jason Fletcher. “Parental status in later life and parents’ risk of cognitive impairment”. In: *SSM-Population Health* 16 (2021), p. 100968.
- [6] Hui Liu, Zhenmei Zhang, and Yan Zhang. “A national longitudinal study of marital quality and cognitive decline among older men and women”. In: *Social Science & Medicine* 282 (2021), p. 114151.
- [5] Yan Zhang and Hui Liu. “Individual’s gender ideology and happiness in China”. In: *Chinese Sociological Review* 54.3 (2021), pp. 252–277.
- [4] Hui Liu, Ning Hsieh, Zhenmei Zhang, Yan Zhang, and Kenneth M Langa. “Same-sex couples and cognitive impairment: Evidence from the Health and Retirement Study”. In: *The Journals of Gerontology: Series B* 76.7 (2021), pp. 1388–1399.
- [3] Yan Zhang and Hui Liu. “A national longitudinal study of partnered sex, relationship quality, and mental health among older adults”. In: *The Journals of Gerontology: Series B* 75.8 (2020), pp. 1772–1782.
- [2] Hui Liu, Yan Zhang, Sarah A Burgard, and Belinda L Needham. “Marital status and cognitive impairment in the United States: evidence from the National Health and Aging Trends Study”. In: *Annals of Epidemiology* 38 (2019), pp. 28–34.
- [1] Hui Liu, I-Chien Chen, Lindsey Wilkinson, Jennifer Pearson, and Yan Zhang. “Sexual orientation and diabetes during the transition to adulthood”. In: *LGBT health* 6.5 (2019), pp. 227–234.

## NON-PEER REVIEWED PUBLICATIONS

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Yan Zhang. Parenthood and Health. *The Wiley Blackwell Encyclopedia of Health, Illness, Behavior, and Society 2nd Edition* (Forthcoming)

Boyan Zheng, Yan Zhang & Jason Fletcher. Estimating Causal Effects between Number of Children and Older Parents’ Cognitive Function Using HRS Data and IV Approach. (Preprint, SocialArXiv, doi: 10.31235/osf.io/4db7z)

Yan Zhang, Zhiyong Lin & Hui Liu. Rely on Your Spouse or Your Kid(s)?: Marital Status, Parental Status, and Unmet Care Needs of Older Adults with and without Dementia (Preprint, SocialArXiv, doi: 10.31235/osf.io/jkzwm)

## UNDER REVIEW

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Yan Zhang, Chenghao Li & Yang Wang. Examining the Impact of Parity on Older Adults’ Cognitive Function Using Instrumental Variable Approach: Evidence from China’s One-Child Policy. *Population and Development Review*

Yan Zhang & Zhiyong Lin. Marital Status and Unmet Care Needs among Older Adults in the United States. *Journal of the American Geriatrics Society*

Yan Zhang, Isaac Kolam & Dmitry Tumin. Perceived Social Support Before Hip Fracture and Post-injury Functional Status among Older Adults. *Clinical Gerontologist*

## GRANTS & AWARDS

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- 2024** “Bi-directional relationships between pain and SES among middle-aged and older adults.” National Institute on Aging (R03 AG090928-01). **Impact Score: 25; Percentile: 9%** (funding decision pending). Co-PIs: Yan Zhang and Adrienne Frech
- 2024** Rapid Pilot Grant (\$10,733), Center for Demography of Health and Aging, University of Wisconsin–Madison, PI: Yan Zhang
- 2022** Grant application & Resubmission: “Parenthood in later life and older adults’ risk of Alzheimer’s disease and related dementias (ADRD).” National Institute on Aging (R03 AG080214-01). Impact Score: 50; Percentile: 41% (Unfunded). PI: Yan Zhang
- 2022** Paper presentation honorarium at the NHATS/NSOC Dementia Care Conference (\$5,000), University of Michigan
- 2019** Summer Publishing Fellowship, Department of Sociology, Michigan State University (\$6,500)
- 2017-2020** Graduate Office Fellowship Award, Michigan State University
- 2011-2013** Excellent Student First-class Scholarship, China Agricultural University

## TEACHING EXPERIENCE

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**Instructor** 2023 - Present  
*Department of Sociology* *East Carolina University*

- SOCI3213 Methods of Research (Hybrid)
- SOCI6312 & 6313 Multivariate Techniques and Analysis
- SOCI3327 Introductory Medical Sociology

**Instructor** 2017  
*Department of Sociology* *Michigan State University*

- SOC216 Sex and Gender (virtual)

**Teaching Assistant** 2016 - 2019  
*Michigan State University*

- SOC882 Analysis of Social Data II
- SOC281 Social Research Methods
- ISS315 National Diversity and Change: United States
- ISS210 Individual and Society

## ADVISING EXPERIENCE

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**Master thesis committee member** 2023 - Present

*Department of Sociology, East Carolina University*

- Zsa Zsa Ayres
- Jada Morris

## SELECTED PRESENTATIONS & INVITED TALK

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- 04/2024** Population Association of America, Columbus, OH
1. Yan Zhang, Chenghao Li & Yang Wang. The Impact of Parity on Cognitive Function Using Instrumental Variable Approach: Evidence from the One-Child Policy in China (Poster session)
  2. Yan Zhang, Isaac Kolam & Dmitry Tumin. Perceived Social Support Before Hip Fracture and Post-Injury Functional Status Among Older Adults (Poster session)
- 02/2024** Workshop on Determinants of Adult Mortality, Morbidity, and Healthy Aging in LMICs (virtual), Center on the Economics and Demography of Aging (CEDA), The University of California Berkeley
1. Yan Zhang, Chenghao Li & Yang Wang. The Impact of Parity on Cognitive Function Using Instrumental Variable Approach: Evidence from the One-Child Policy in China
- 01/2024** Carolina Population Center, Interdisciplinary Research Seminar Series. University of North Carolina at Chapel Hill
1. Yan Zhang. Number of Children and Older Adults' Cognitive Function in the U.S., UK, and China
- 11/2023** The Gerontological Society of America, Tampa, FL
1. Yan Zhang, Yiyang Yuan, Maria Roche-dean, Richard Gonzalez & Irving Vega. A Visualization Tool to Study Complex Health Profiles and Variations by Age, Wealth, Race, and Partner's Cognitive Status (Symposium)
- 04/2023** Population Association of America, New Orleans, LA
1. Yan Zhang, Zhiyong Lin & Hui Liu. Marital Status and Unmet Care Needs of Older Adults in the U.S. (Oral Presentation)
  2. Yan Zhang & Jason Fletcher. The Association between Parity and Parent's Risk of Alzheimer's Disease and Dementias Status (Oral Presentation)
- 04/2023** The Computational Demography Working Group (CDWG), The University of Washington, Seattle. Invited Speaker (virtual)
1. Yan Zhang. Parenthood and Older Adults' Cognitive Health
- 11/2022** The Gerontological Society of America, Indianapolis, IN
1. Yan Zhang & Hui Liu. Relationship Quality and Older Parents' Cognitive Trajectories: A National Longitudinal Study in the United States (Symposium)
  2. Yan Zhang & Jason Fletcher. Number of Children and Risk of Alzheimer's Disease and Dementia: Evidence from the UK Biobank (Poster)
  3. Jooyoung Kong, Scott Easton & Yan Zhang. Sexual and Marital Satisfaction in Older Adulthood: Effects of Childhood and Adulthood Violence Exposure (Paper)
- 05/2022** NHATS/NSOC Dementia Care Conference, Ann Arbor, MI
1. Yan Zhang & Zhiyong Lin. Rely on Your Spouse or Your Kid(s)?: Marital Status, Parental Status, and Unmet Care Needs of Older Adults with and without Dementia (Oral presentation)
- 04/2022** Population Association of America, Atlanta, GA
1. Yan Zhang. Fertility History and Risk of Cognitive Impairment Among Older Parents in the U.S. (Oral presentation)
  2. Yan Zhang & Jason Fletcher. Fertility and Cognition: Do Genetic Factors, Family Background, and Presence of Spouse Matter? (Poster session)

- 08/2021** American Sociological Association, Family Section (virtual)  
1. Yan Zhang. Relationship Quality Between Older Parents and Children: Impact on Parents' Cognitive Functioning (Oral presentation)
- 08/2020** American Sociological Association  
1. Yan Zhang. Childlessness, Number of Children, Children's Gender, and Risk of Dementia among Older Adults (Roundtable, virtual)
- 08/2019** Society for the Study of Social Problems, New York City, NY  
1. Yan Zhang. Gender Role Ideology, Self-rated Health and Happiness in China (Roundtable)
- 11/2018** The Gerontological Society of America. Boston, MA  
1. Yan Zhang & Hui Liu. A National Longitudinal Study of Partnered Sex, Relationship Quality, and Psychological Well-being among Older Adults (Symposium oral presentation)
- 04/2018** Population Association of America, Denver, CO  
1. Yan Zhang & Hui Liu. Partnered Sexuality and Mental Health among Older Adults: A Gendered Life Course Perspective (Oral presentation)
- 08/2017** American Sociological Association. Montreal, Canada  
1. Yan Zhang. Gender Role Ideology, Self-rated Health and Happiness in China Based on CGSS (Roundtable)

## PROFESSIONAL TRAINING

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### Workshops:

- 2023** 9th Annual Berkeley Workshop on Formal Demography, The University of California, Berkeley
- 2022** Michigan Center for Contextual Factors in Alzheimer's Disease (MCCFAD) Summer Data Immersion program, University of Michigan
- 2017-18** ICPSR Summer Program in Quantitative Methods, University of Michigan  
1. Longitudinal data analysis, Structural Equation Model with Latent Variables  
2. Maximum Likelihood Estimation II: Advanced Topics (survival analysis), Simultaneous Equation Models

**Statistical Skills:** Structural Equation Model, Multilevel Model, Mixed-effects Model, Event-History Hazard Model/Survival Analysis, Growth Curve Model, Dyadic Analysis (Actor Partner Interdependence Model), Social Network Analysis

## MEMBERSHIPS

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American Sociological Association (ASA)

Sections: Aging and Life Course (SALC), Medical Sociology, Family, Sex and Gender

Population Association of America (PAA)

The Gerontological Society of America (GSA)

The Interdisciplinary Association for Population Health Science (IAPHS)

## PROFESSIONAL SERVICE

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### **Journal reviewer**

Aging & Mental Health, BMC Geriatrics, Chinese Sociological Review, Cogent Psychology, Journal of Aging and Health, Journal of Marriage and Family, Journal of Social and Personal Relationships, The Journals of Gerontology: Series B, Journal of Women's Health, Nature Communications, PloS one, Population Studies, Research on Aging, Sociological Perspectives, Sexuality Research and Social Policy, Social Science & Medicine

### **Conference discussant**

Population Association of America (2021-2022)

### **Co-lead and webinar coordinator**

ESPO Webinar Task Force, GSA (2023-2024)

### **Coordinator**

Family, Population, and Health Laboratory, MSU (2019-2021)