

Xue Zhang

Assistant Professor, Department of Biobehavioral Health,
Penn State University, PA 16802

xuezhang@psu.edu, 607.379.7618. <https://www.xue-zhang.net/>

ORCID: <https://orcid.org/0000-0002-5786-4235>

<https://scholar.google.com/citations?user=4Ai4v6QAAAAJ&hl=en&oi=ao>

<https://www.ncbi.nlm.nih.gov/myncbi/xue.zhang.3/bibliography/public/>

EDUCATION

Ph.D. in Regional Science, Dept. of City and Regional Planning, Cornell University, U.S.	2019
M.S. in Regional Science, Dept. of City and Regional Planning, Cornell University, U.S.	2016
M.S. in International Economics and Trade, Harbin Institute of Technology, China	2013
B.S. in International Economics and Trade, Harbin Institute of Technology, China	2011

ACADEMIC POSITION

Assistant Professor	2024-present
Department of Biobehavioral Health, Penn State University	
Research Associate	2024
Departments of City and Regional Planning and Global Development, Cornell University	
Lerner Postdoctoral Scholar in Population Health	2022-2024
Lerner Center for Public Health Promotion and Population Health, Syracuse University	
Research Associate	2022
Departments of City and Regional Planning and Global Development, Cornell University	
Postdoctoral Associate	2019-2022
Departments of City and Regional Planning and Global Development, Cornell University	
Visiting lecturer	2021/2022
Department of City and Regional Planning, Cornell University	Spring

PUBLICATIONS

Peer-refereed Journal Articles

- 29 **Zhang, X.**, & Monnat, S. M. (2024). Watchful, skeptics, and system distrusters: Characteristics associated with different types of COVID-19 vaccine hesitancy among US working-age adults. *Vaccine*. <https://doi.org/10.1016/j.vaccine.2024.06.047>
- 28 **Zhang, X.**, Warner, M. E., Tennyson, S., Brunner, W., Wethington, E., & Sipple, J. W. (2024). School-based health centers as an approach to address health disparities among rural youth: A study protocol for a multilevel research framework. *Plos one*, 19(5), e0303660. <https://doi.org/10.1371/journal.pone.0303660>
- 27 Wolf, D., Monnat, S., Wiemers E., Sun, Y., **Zhang, X.**, Grossman, E. & Montez, J. (2024). The Effects of States' COVID-19 Policies on Drug Overdoses in the United States, 2020. *American Journal of Public Health* (0), e1-e9

- 26 **Zhang, X.**, Rhubart, D., & Monnat, S. (2024). Social Infrastructure Availability and Suicide Rates among Working-Age Adults in the United States. *Socius*, 10, <https://doi.org/10.1177/2378023124124103>
- 25 Guillemot, J. R., **Zhang, X.**, & Warner, M. E. Population Aging and Decline Will Happen Sooner Than We Think. *Social Sciences*, 13(4), 190 <https://doi.org/10.3390/socsci13040190>
- 24 **Zhang, X.**, & Monnat, S. M. (2024). Geographically specific associations between county-level socioeconomic and household distress and mortality from drug poisoning, suicide, alcohol, and homicide among working-age adults in the United States. *SSM-Population Health*, 101595. <https://doi.org/10.1016/j.ssmph.2023.101595>
- 23 **Zhang, X.**, Warner, M. E., Xu, C., & Wang, Y. (2023). Invisible women in comprehensive plans. *Journal of Urban Affairs*, 1-19. <https://doi.org/10.1080/07352166.2023.2282561>
- 22 **Zhang, X.**, Warner, M.E. & Meredith, G. (2023). Factors Limiting US Public Health Emergency Authority during COVID-19. *International Journal of Health Planning and Management*. <https://doi.org/10.1002/hpm.3694>
- 21 **Zhang, X.**, & Warner, M.E. (2023). Cross-agency Collaboration to Address Rural Aging: the Role of County Government. *Journal of Aging and Social Policy* <https://doi.org/10.1080/08959420.2023.2230088>
- 20 Warner, M.E. & **Zhang, X.** (2023) Age-Friendly Cities – Does Gender or Professional Management Make a Difference? *Administration & Society*. <https://doi.org/10.1177/00953997231183000>
- 19 Reece, J. Warner, M., & **Zhang, X.** (2023). Broadening the Paradigm: Community Development, Schools and the Dimensions of Power. *Community Development*. <https://doi.org/10.1080/15575330.2023.2217881>
- 18 **Zhang, X.**, & Warner, M. E. (2023). Linking Urban Planning, Community Environment, and Physical Activity: A Socio-Ecological Approach. *International Journal of Environmental Research and Public Health*, 20(4), 2944 <https://doi.org/10.3390/ijerph20042944>.
- 17 Warner, M.E., Kelly, M.K., & **Zhang, X.** (2022). Challenging Austerity Under the COVID-19 State, *Cambridge Journal of Regions, Economy and Society*. 16.1 (2023): 197-209, <https://doi.org/10.1093/cjres/rsac032>
- 16 Warner, M.E. & **Zhang, X.** Joint Use between Communities and Schools: Unpacking Dimensions of Power. (2022) *Community Development*. 1-16. <https://doi.org/10.1080/15575330.2022.2124529>
- 15 **Zhang, X.**, González Rivas, M., Grant, M., & Warner, M. E. (2022). Water Pricing and Affordability in the US: Public vs. Private Ownership. *Water Policy*, 24(3), 500-516. <https://doi.org/10.2166/wp.2022.283>
- 14 Warner, M. E., & **Zhang, X.** (2022). Planning Communities for All Ages. *Journal of Planning Education and Research*. 42(4), 554-567. [doi:10.1177/0739456X19828058](https://doi.org/10.1177/0739456X19828058)
- 13 **Zhang, X.** (2021). Linking People's Mobility and Place Livability: Implications for Rural Communities. *Economic Development Quarterly*. 36(3), 149-159. doi:[10.1177/08912424211045916](https://doi.org/10.1177/08912424211045916)
- 12 **Zhang, X.**, Warner, M.E. & Grant M. (2021). Impact of Water Shutoff Moratoria on COVID-19 Infection and Death Rates Across US States. *American Journal of Preventive Medicine*. 62(2), 149-156. <https://doi.org/10.1016/j.amepre.2021.07.006>

- 11 Warner, M.E. & **Zhang, X.** (2021). Social Safety Nets and COVID-19 Stay Home Orders across US States: A Comparative Policy Analysis. *Journal of Comparative Policy Analysis* 23 (2), 176-190 doi.org/10.1080/13876988.2021.1874243
- 10 Warner, M.E., Rivas, M. G., **Zhang, X.**, (2021) Viewpoint: Water equity, COVID-19 and the Role of US Cities and States. *Town Planning Review*. 92(2). doi.org/10.3828/tpr.2020.66
- 9 **Zhang, X.** & Warner, M.E. (2020). COVID-19 Policy Differences Across the US States: Shut Down, Reopen and Mask Mandates. *International Journal of Environmental Research and Public Health*. 17 (24), 9520. [doi:10.3390/ijerph17249520](https://doi.org/10.3390/ijerph17249520)
- 8 Warner, M. E., **Zhang, X.**, & Rivas, M. G. (2020). Which States and Cities Protect Residents from Water Shutoffs in the COVID-19 Pandemic?. *Utilities Policy*, 67. [doi:10.1016/j.jup.2020.101118](https://doi.org/10.1016/j.jup.2020.101118)
- 7 **Zhang, X.**, Warner, M. E., & Wethington, E. (2020). Can Age-Friendly Planning Promote Equity in Community Health Across the Rural-Urban Divide in the US?. *International Journal of Environmental Research and Public Health*, 17(4), 1275.[doi:10.3390/ijerph17041275](https://doi.org/10.3390/ijerph17041275)
- 6 Warner, M. E., & **Zhang, X.** (2020). Serving an Ageing Population: Collaboration is Key. *Local Government Studies*, 47(3), 498-517. [doi:10.1080/03003930.2020.1787166](https://doi.org/10.1080/03003930.2020.1787166)
- 5 Warner, M.E. & **Zhang, X.** (2020). Healthy Places for Children: the Critical Role of Engagement, Common Vision and Collaboration. *International Journal of Environmental Research and Public Health*. 17 (24), 9277. [doi:10.3390/ijerph17249277](https://doi.org/10.3390/ijerph17249277)
- 4 **Zhang, X.**, Warner, M. E., & Firestone, S. (2019). Overcoming Barriers to Livability for All Ages: Inclusivity is the Key. *Urban Planning*. 4(2), 31-42. [doi: 10.17645/up.v4i2.1892](https://doi.org/10.17645/up.v4i2.1892)
- 3 Rukus, J., Warner, M. E., & **Zhang, X.** (2018). Community Policing: Least Effective Where Need Is Greatest. *Crime & Delinquency*, 64 (14), 1858-1881. [doi:10.1177/0011128716686339](https://doi.org/10.1177/0011128716686339)
- 2 **Zhang, X.**, Warner, M. E., & Homsy, G. C. (2017). Environment, Equity, and Economic Development Goals: Understanding Differences in Local Economic Development Strategies. *Economic Development Quarterly*, 31(3), 196-209. [doi:10.1177/0891242417712003](https://doi.org/10.1177/0891242417712003)
- 1 **Zhang, X.**, & Warner, M. E. (2017). Business Retention and Expansion and Business Clusters– A Comprehensive Approach to Community Development. *Community Development*, 48(2), 170-186. [doi:10.1080/15575330.2017.1285332](https://doi.org/10.1080/15575330.2017.1285332)

Under Review and In Progress

1. Montez, J., Monnat, S., Wiemers E., Wolf, D., & **Zhang, X.** (forthcoming). Stability and Volatility in the Contextual Predictors of Working-age Mortality in the U.S. *Journal of Health and Social Behavior*
2. Warner, M. E., **Zhang, X.**, & Guillemot, J. R. (forthcoming). Demographic Aging: An opportunity to rethink economy, society and regions. *Cambridge Journal of Regions, Economy and Society*
3. **Zhang, X.**, Warner, M. E., Wu, C., Nguyena, C., Kerr, L., & Burch, P. Institutional views on Rural School-Based Health Centers as Patient-Centered Medical Homes. (working paper).

Edited Volumes

1. Special issue: Child-Friendly Planning and Public Health, *International Journal of Environmental Research and Public Health*, with Dr. Mildred E. Warner from Cornell University and Dr. Jason Reece from Ohio State University. (published).

https://www.mdpi.com/journal/ijerph/special_issues/child-friendly_planning_public_health
Special issue: Schools, Children, and Community Development: Linkages, Challenges & Opportunities, *Community Development*, with Dr. Mildred E. Warner from Cornell

2. University and Dr. Jason Reece from Ohio State University. (published). Reece, J. Warner, M.E. and Zhang, X. eds. 2023. Thematic Issue on Schools, Children, and Community Development: Linkages, Challenges & Opportunities, *Community Development*. 54(4): 467628. <https://www.tandfonline.com/toc/rcod20/54/4>

Book

Warner, M.E., Reece, J., & **Zhang, X.** (2025). *Community Development and Schools: Conflict, Power and Promise*. Routledge

Book Chapters

1. Warner, M.E., Gonzalez-Rivas, M., Grant, M., **Zhang, X.** 2020. Water Shutoff Moratoria in the United States: The Role of Cities and States Chapter 5, pp 85-100 in *Public Water and COVID-19: Dark Clouds and Silver Linings*, ed. by DA McDonald, S Spronk and D Chavez. Municipal Services Project (Kingston), Transnational Institute (Amsterdam) and Latin American Council of Social Sciences (CLASCO) (Buenos Aires).
<https://www.municipalservicesproject.org/publication/public-water-and-covid-19-darkclouds-and-silver-linings>
2. **Zhang, X.** and Warner, M.E. (2019). "Business Retention and Expansion and Business Clusters - A Comprehensive Approach to Community Development," in *Business Retention and Expansion (BRE): A Practical Approach to Economic Development*, ed by Michael Darger, Alan Barefield and Brent Hales. Routledge, Taylor and Frances.
<https://www.routledge.com/Business-Retention-and-Expansion-BRE-A-Practical-Approach-to-Economic-Darger-Barefield-Hales/p/book/9780367730871>. Also published as Zhang, X, and Warner, M.E. (2017). "Business Retention and Expansion and Business Clusters - A Comprehensive Approach to Community Development," *Community Development*, 48(2):170- 186.

Professional Reports

1. **Zhang, X.**, & Monnat, S. M. (2024). Which Types of People Were Least Likely to Get the COVID-19 Vaccine? Lerner Center Population Health Research Brief Series. Research Brief #119. <https://surface.syr.edu/lerner/256/>.
2. **Zhang, X.**, Rhubart, D., & Monnat, S. (2024). "Suicide Rates are Lower in Places with More Social Infrastructure" (2024). Population Health Research Brief Series. 254.
<https://surface.syr.edu/lerner/254/>
3. **Zhang, X.**, Warner, M.E., & Meredith, G., (2023). COVID-19 Mortality Rates were Higher in States that Limited Governments from Enacting Public Health Emergency Orders. Syracuse University Center for Policy Research, Policy Brief Series. Brief #6.
<https://surface.syr.edu/cpr475>.
4. Warner, M.E. & **Zhang, X.** (2022). "Challenges and Opportunities of an Aging Rural Population," Rural Population Research Network Issue Brief, March 2022.
https://rprn.org/wp-content/uploads/2022/08/Warner_2022-3_FINAL.pdf
5. **Zhang, X.** and M.E. Warner (2021). "The Relationship Between Water Shutoffs and COVID Infections and Deaths," Food and Water Watch Issue Brief, March 2021.

https://foodandwaterwatch.org/wp-content/uploads/2021/03/IB_2103_CornellWaterCOVIDWEB.pdf

6. **Zhang, X.** and M.E. Warner (2021). "Age-Friendly Planning in Tompkins County: Bridging the Rural-Urban Divide - A Report to the Tompkins County Age-Friendly Center for Excellence," Dept of City and Reg, Planning, Cornell University. <http://cms.mildredwarner.org/p/385>
7. **Zhang, X.** and M.E. Warner (2021). "Tompkins County Age-Friendly Survey Summary." Dept of City and Reg, Planning, Cornell University. <http://cms.mildredwarner.org/p/386>
8. Warner, M.E. & **Zhang, X.** (2021). Planning Across Generations: Are We Making Progress?. *Certified Senior Advisors Journal* 80(1). https://cdn.ymaws.com/www.csa.us/resource/resmgr/docs/journals/journal_82/Warner.pdf
9. Firestone, S., Warner, M. E., & **Zhang, X.**, (2019). Planning Age-Friendly Cities across the Global. *AARP The Journal*. <https://www.aarpinternational.org/the-journal/currentedition/journal-articles-blog/2019/01/planning-age-friendly-cities-across-the-globe>
10. Elizabeth, A., Gitonga, B., McManus, C., Moretz, D., Valdes, M., & **Zhang, X.** (2014). "Sustainable Economic Development: Investments in People, Place and Business." The Creative Responses to Fiscal Stress Project, Dept. of City and Regional Planning, Cornell University. <http://cms.mildredwarner.org/p/248>

GRANTS

Principal Investigator

"Rural-Urban and Within-Rural Differences in the Relationship between County-Level Social Vulnerability and Working-Age Mortality from Drug Poisoning, Suicide, and Alcohol-Induced Causes" 2022-2023
NIH Interdisciplinary Network on Rural Population Health and Aging (\$10,530)

Co-Investigator

"School Based Health Centers – An approach to address health disparities among rural youth" 2023-2028
National Institute on Minority Health and Health Disparities, with Sharon Tennyson (PI) at Cornell University

Research Assistant

"States' COVID-19 Mitigation Policies and Psychological Health, Drug Overdose, & Suicide among U.S. Adults" 2022-2024
National Institute on Drug Abuse, with Shannon Monnat (PI) at Syracuse University

"Water Equity and Government Policy during COVID-19" 2021-2022
Cornell Atkinson Center for a Sustainable Future, with Mildred Warner (PI) at Cornell University.

"State level COVID-19 Policies: Economics, Equity and Health" 2020-2023
Cornell Center for Social Science, with Mildred Warner (PI) and Elaine Wethington at Cornell University

"Promoting Age Friendly Communities" 2020-2022
Cornell Engaged Cornell Impact Grant, with Mildred Warner (PI) at Cornell University

“Collaborative Neighborhood Governance in the COVID-19 Pandemic Mitigation: a comparison between China and US” 2020-2022

Tsinghua University Joint research program, China, with Zhilin Liu (PI) at Tsinghua University, Mildred Warner (PI) and Elaine Wethington at Cornell University

“China, Aging and the COVID-19 Response” 2020-2021

Cornell China Center-East Asia Program Research Fund, with Mildred Warner (PI), Elaine Wethington at Cornell, Zhilin Liu at Tsinghua University, and Lina Zhao at Jiangsu University (\$9,000)

“Age-Friendly Rural Communities – Linking Economy, Planning, Services and Health” 2019- 2022

USDA National Institute of Food and Agriculture, with Mildred Warner (PI) and Elaine Wethington at Cornell, and Dreamal Worthen and Gail Randolph at Florida A and M University.

“Livable Communities for All Ages: International Planner Engagement and Best Practices” 2018

A Research Grant from the APA Divisions Council to ARUP, AARP and Cornell University

AWARDS

Coordinating Center Professional Development Funds, Coordinating Center 2022

Best Contribution to the Planning Profession 2019

Awarded to AARP, APA International Division, Arup Consulting and Cornell University for the collaborative research project, “Livable Communities for All Ages: International Planner Engagement and Best Practices,” selected by the APA Divisions Council, American Planning Association

Graduate Student Travel Award, Rural Sociology 2017

Outstanding Student Team Project Award 2015

Team-project in Professor Mildred Warner's Upstate New York Fiscal Stress workshop class.

SELECTED PRESENTATIONS

1. *School-based health centers as an approach to address health disparities among rural youth: A study protocol for a multilevel research framework*, **National School-Based Health Conference**, DC, 06/2024
2. *Community Development and Schools: Conflict, Power and Promise*, **International Conference on Urban Affairs**, New York City, NY, 04/2024
3. *Geographic Association Between County-Level Socioeconomic and Household distress and U.S. Working-Age Adults Mortality from Drug Poisoning, Suicide, Alcohol, and Homicide*, **Population Association of American Annual Meeting**, Columbus, OH, 04/2024
4. *Invisible Women in Comprehensive Plan*, **Association of Collegiate Schools of Planning**, Chicago, IL, 11/2023
5. *Social Vulnerability and Working-Age Adult Mortality from Drug Poisoning, Suicide, and Homicide in the United States*, **Annual Meeting of Rural Sociological Society**, Burlington, VT, 08/2023

6. *Associations between COVID-19 Experiences and Mental Health Outcomes among U.S. Working-Age Adults*, **Population Association of American Annual Meeting**, New Orleans, LA, 04/2023
7. *People's mobility and place livability: Implications for Rural Communities*. Conference Research Workshop held by W.E Upjohn Institute & Federal Reserve Bank of Chicago. Grand Rapid, MI, 09/2022
8. *Connecting Physical Activity and Urban Planning: an Age-Friendly Ecological Model*, **Annual Meeting of Rural Sociological Society**, Westminster, CO, 08/2022
9. *Joint Use between Communities and Schools: Unpacking Dimensions of Power*, **Association of Collegiate Schools of Planning**. Online 10/2021.
10. *Healthy places, healthy people: the role of planning, built environment and social engagement*, **Association of Collegiate Schools of Planning**. Online 10/2021.
11. *Age Friendly Planning: Tompkins County and Beyond*. **Upstate APA and NYS Planning Federation conference**, Online 10/2022
12. *Connecting physical activity and urban planning: an age-friendly ecological model*. **Cornell Center for Pandemic Prevention & Response Symposium**, Ithaca, NY 07/2022
13. *Age-Friendly Rural Communities - Linking Planning, Services and Health*, **Annual Meeting of Rural Sociological Society**, Online 07/2021
14. *Social Safety Nets and COVID-19 Stay Home Orders across US States: A Comparative Policy Analysis*. Virtual Research Seminar held by International Comparative Policy Analysis Forum, Cornell University & Tsinghua University, Online 05/2021
15. *Age Friendly Planning and Services: Research and National Project*. **Community training virtual workshop held by Tompkins County Age Friendly Center for Excellence**, Online 04/2021
16. *Fragmented and Politicized: US States' COVID-19 Policies*, **Seoul National University**, Online 03/2021
17. *Age-friendly Cities: Do Female Managers Matter?* Public Administration Review Symposium on Race and Gender, Online 09/2020
18. *Healthy Places for Children: the critical role of engagement, common vision and collaboration*, **Association of Collegiate Schools of Planning**, Online 11/2020.
19. *The Politicization of Public Health in the COVID-19 Response*. **Cornell Health Equity Seminar Series**. Online, 07/2020
20. *Linking People (mobility) and Place (livability): Implications for Rural Communities*. Conference Research Workshop held by W.E Upjohn Institute & Federal Reserve Bank of Chicago. Kalamazoo, MI, 10/2019
21. *Can Age-friendly Planning Promote Equity in Public Health Across the Rural-Urban Divide?* **European Society for Rural Sociology Congress**. Trondheim, Norway, 06/2019
22. *People's Mobility, Labor market disequilibrium, and Rural Development*. **Annual Meeting of American Association of Geographers**. D.C., 04/2019
23. *Rural Development: Spatial Mismatch and People's Mobility*. **Trans-Atlantic Rural Research Network**. Ithaca, NY. 05/2018
24. *De-Siloing Age-Friendly Planning Solutions*. **American Planning Association**. New Orleans, LA. 04/2018
25. *Planning Across Generations*, **Annual Meeting of Rural Sociological Society**. Columbus, OH, 07/2017

26. *Spatial Holes, Missing Neighbors, Global Processes and the Challenge of Spatial Analysis: Should we consider the utility of spatial analysis when there is no neighbor in the survey sample?* **North American Regional Science Conference**. Minneapolis, MN. 11/2016
27. *Environment, Equity, and Economic Development Goals: Understanding Differences in Local Economic Development Strategies*. **International City/County Management Association Annual Conference**. Kansas, Mo, 09/2016
28. *Diffusion of Business Retention and Expansion (BR&E) – Can Business Cluster Approaches Help Cities Face Development Challenges?* **Regional Science Association**. Atlanta, GA. 06/2016
29. *Business Incentives vs. Sustainable Community Development Strategies: Environment and Equity Goals Explain the Difference*. **North American Regional Science Conference**. Portland, OR. 11/2015

TEACHING EXPERIENCE

Lecturer

Department of City and Regional Planning, Cornell University

CRP 3850/5850: Special Topics: Introduction to Data Science 2021/2022 Spring

CRP 5000: Urban Data Science Case Studies 2021 Spring

Language Resource Center, Cornell University, Ithaca, NY 2020 Fall

Planning in the US vs. China (Foreign Language Across the Curriculum in Mandarin)

Teaching Assistant

Department of City and Regional Planning, Cornell University, Ithaca, NY

CRP 5080/4080 Introduction to Geographic Information Systems 2018 Fall

CRP 6330 Methods of Regional Science and Planning II 2017 Spring

CRP 5450 Inferential Statistics for Planning and Public Policy 2017 Fall/2019 Spring

CRP 3270/6270 Regional Economic Impact Analysis 2018 Spring

Department of Economics and Management, Harbin Institute of Technology, China

Macroeconomics 2013 Fall

Econometrics 2013 Spring

Methodological Workshops

Policy, Place, and Population Health Lab, Syracuse University, Syracuse, NY

STATA tips & tricks 2022 Fall/2023 Spring

Center for Policy Research, Syracuse University, Syracuse, NY

Python 101: Coding for Beginners 2023 Spring

Web scaping for Beginners: Beautiful Soup Library 2023 Fall

Department of City and Regional Planning, Cornell University, Ithaca, NY

Math Camp (2-day training in statistical concepts for incoming master students) 2019 Winter

PROFESSIONAL SERVICE

Chair, Rural Sociological Society, Rural Policy Research and Interest Groups, 2018-2022

Journal Reviewer: *American Journal of Public Health*, *Urban Affairs Review*, *Journal of Gerontology: Social Sciences*, *Journal of Comparative Policy Analysis*, *Economic Development Quarterly*, *Social Policy Administration*, *International Regional Science Review*, *Children and Youth Services Review*

MEMBERSHIPS

Population Association of America

Rural Sociology Society

Association of Collegiate Schools of Planning

North American Regional Science Council American

Association of Geographers

SKILLS

Data Analysis: Python, Stata, R, SPSS, Excel

Qualitative analysis: NVivo

Spatial Analysis and Modeling: ArcGIS, R, Geode, QGIS