

**ADAM R. ROTH**

Department of Sociology  
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**APPOINTMENT**

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2019 - Postdoctoral Research Fellow, Department of Sociology & Network Science Institute, Indiana University

**EDUCATION**

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2019 Ph.D., Sociology, Washington State University

2016 M.A., Sociology, Washington State University

2012 B.A., Sociology, California State University, Chico

**AREAS OF SPECIALIZATION**

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Health, Life Course/Aging, Family, Social Networks, Space and Place

**PEER-REVIEW JOURNAL ARTICLES (\*denotes student co-author)**

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Roth, Adam R., Siyun Peng, Max E. Coleman\*, Liana G. Apostolova, and Brea L. Perry. 2022. "Do Subjective or Objective Cognitive Measures Better Predict Social Network Characteristics in Older Adults?" *Biodemography and Social Biology* doi: 10.1080/19485565.2022.2052711

Roth, Adam R., Siyun Peng, and Brea L. Perry. 2022. "Personal Network Bridging Potential Across Geographic Context." *Journal of Gerontology: Social Sciences* 77(3): 626-635. doi: 10.1093/geronb/gbab103

Peng, Siyun, Adam R. Roth, Liana G. Apostolova, Shannon L. Risacher, Andrew J. Saykin, and Brea L. Perry. 2022. "Cognitively Stimulating Environments and Cognitive Reserve: The Case of Personal Social Networks." *Neurobiology of Aging* 112: 197-203. doi: 10.1016/j.neurobiolaging.2022.01.004

Roth, Adam R. and Siyun Peng. 2022. "Non-spousal Support, Marital Status, and Mortality Risk." *Journal of Aging and Health* 34(1): 41-50. doi: 10.1177/08982643211025381

Roth, Adam R. 2021. "Personal Networks and Mortality in Later Life: Racial and Ethnic Differences." *Journal of Public Health* 43(4): 824-832. doi:10.1093/pubmed/fdaa135 [Editor's choice]

Peng, Siyun, Adam R. Roth, and Brea L. Perry. 2021. "A Latent Variable Approach to Measuring Bridging Social Capital and Examining its Association to Older Adults' Cognitive Health." *Social Neuroscience* 16(6): 684-694. doi: 10.1080/17470919.2021.2001368

Perry, Brea L., Adam R. Roth, Siyun Peng, Shannon L. Risacher, Andrew J. Saykin, and Liana G. Apostolova. 2021. "Social Networks and Cognitive Reserve: Network Structure Moderates the Association Between Amygdalar Volume and Cognitive Outcomes." *Journal of Gerontology: Social Sciences*. doi: 10.1093/geronb/gbab192

Roth, Adam R. 2021. "Social Autonomy Among Married Men and Women." *Socius: Sociological Research for a Dynamic World* 7: 1-14. doi: 10.1177/23780231211043630

- Perry, Brea L., William R. McConnell, Max E. Coleman\*, Adam R. Roth, Siyun Peng, and Liana G. Apostolova. 2021. "Why the Cognitive 'Fountain of Youth' May Be Upstream: Pathways to Dementia Risk and Resilience Through Social Connectedness." *Alzheimer's & Dementia*. doi: 10.1002/alz.12443
- Perry, Brea L., William R. McConnell, Siyun Peng, Adam R. Roth, Max E. Coleman\*, Mohit Manchella\*, Meghann Roessler\*, Heather Francis, Hope Sheean, and Liana Apostolova. 2021. "Social Networks and Cognitive Function: An Evaluation of Social Bridging and Bonding Mechanisms." *The Gerontologist*. doi: 10.1093/geront/gnab112
- Peng, Siyun and Adam R. Roth. 2021. "Social Isolation and Loneliness Before and During the COVID-19 Pandemic: A Longitudinal Study of US Adults Over 50." *Journal of Gerontology: Social Sciences*. doi: 10.1093/geronb/gbab068
- Cohn-Schwartz, Ella, Adam R. Roth, and Eric D. Widmer. 2021. "Joint Social Contact and Network Overlap of Spouses Facing Household Transitions in Later Adulthood in Switzerland." *Advances in Life Course Research* 48: doi:10.1016/j.alcr.2020.100395
- Roth, Adam R., Siyun Peng, Max E. Coleman\*, Evan Finley, and Brea L. Perry. 2021. "Network Recall Among Older Adults with Cognitive Impairments." *Social Networks* 64: 99-108. doi:10.1016/j.socnet.2020.08.005
- Roth, Adam R. 2020. "Informal Caregiving and Network Turnover Among Older Adults." *Journal of Gerontology: Social Sciences* 75(7): 1538-1547. doi:10.1093/geronb/gby139
- Roth, Adam R. 2020. "Social Networks and Health in Later Life: A State of the Literature." *Sociology of Health & Illness* 42(7): 1642-1656. doi:10.1111/1467-9566.13155
- 2020-21 Top-cited article in *Sociology of Health & Illness*
- Roth, Adam R. 2020. "Informal Caregiving and Social Capital: A Social Network Perspective." *Research on Aging* 42(9-10): 272-280. doi:10.1177/0164027520912659
- Roth, Adam R., Justin T. Denney, Solmaz Amiri, and Ofer Amram. 2020. "Characteristics of Place and the Rural Disadvantage in Deaths from Highly Preventable Causes." *Social Science & Medicine* 245: 112689. doi:10.1016/j.socscimed.2019.112689
- Caudell, Mark, Marsha Quinlan, Murugan Subbiah, Douglas Call, Casey Roulette, Jennifer Roulette, Adam Roth, Louis Matthews, and Robert Quinlan. 2017. "Antimicrobial Use and Veterinary Care among Agro-pastoralists in Northern Tanzania." *PLoS One* 12(1): e0170328

## BOOK CHAPTERS

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- Perry, Brea L. Perry, Adam R. Roth and Mario L. Small. In Progress. "Personal Networks and Egocentric Analysis." Chapter in, John McLevey, Peter J. Carrington, and John Scott (Eds.) *Sage Handbook of Social Network Analysis (Second Edition)*. London: Sage Publications
- Perry, Brea L. and Adam R. Roth. 2021. "On The Boundary Specification Problem in Network Analysis: An Update and Extension to Personal Networks." Chapter in, Mario L. Small, Brea L. Perry, Bernice Pescosolido, and Edward Smith (Eds.) *Personal Networks: Classic Readings and New Directions* (pp. 509-524). New York, NY: Cambridge University Press

MANUSCRIPTS UNDER REVIEW (\*denotes student co-author)

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Coleman, Max E.\*, Mohit Manchella\*, Siyun Peng, Adam R. Roth, and Brea L. Perry. “What Kinds of Social Networks Protect Older Adults’ Health During a Pandemic? The Tradeoff Between Physical and Mental Health.” *Revise and Resubmit*

Peng, Siyun, Adam R. Roth, and Brea L. Perry. “A New Direction in Egocentric Network Studies: Random Sampling of Network Members.” *Under Review*

MANUSCRIPTS IN PROGRESS (\*denotes student co-author)

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Roth, Adam R., Siyun Peng, and Brea L. Perry. “Cognitive Health Across Geographic Contexts: A Social Network Approach.”

Railey, Ashley F., Adam R. Roth, Anne C. Krendl, and Brea L. Perry. “Social Networks to Reveal Intergroup Contact with People Who Use Drugs.”

Roth, Adam R., and Siyun Peng. “Where Dementia Strikes: A Place-based Analysis of Alzheimer’s Disease Mortality.”

Roth, Adam R., Siyun Peng, and Brea L. Perry. “A Quantitative Assessment of Elastic Ties in the Personal Networks of Older Adults.”

Roth, Adam R., Siyun Peng, and Brea L. Perry. “Neighborhood Conditions, Personal Networks, and Cognitive Performance.”

Coleman, Max E.\*, Adam R. Roth, Siyun Peng, and Brea L. Perry. “Educational Disparities in Cognitive Function and Cognitive Decline: Mediated by Social Networks.”

Roth, Adam R. and Thomas Rotolo. “The Intersection of Living Arrangements and Loneliness in Later Life.”

Roth, Adam R. “Social Capital and Job Acquisition: Insights from a Professional Labor Market.”

GRANTS (AWARDED)

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National Institute on Aging, Interdisciplinary Network on Rural Population Health and Aging Pilot Grant, (R24-AG065159), “Social Networks and Rural-Urban Cognitive Health Disparities,” 2020-2021. Role: PI. Award: \$9,914

GRANTS (UNDER REVIEW)

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National Institute on Aging, R01, “Social Mechanisms of Cognitive Health Disparities in Rural and Urban Older Populations.” Role: PI. Requested award: \$2,687,627

HONORS AND AWARDS

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2019 John Wardwell Scholarship, Department of Sociology, Washington State University (\$1000)

2019 Arnold and Julia Greenwell Memorial Scholarship, Graduate School, Washington State University (\$1000) *\*Declined due to early graduation*

2018 William Julius Wilson Graduate Student Summer Health Equity Fellowship, Sociology Department, Washington State University (\$4500)

2018 James F. Short Jr. Research Award, Sociology Department, Washington State University (\$1000)

- 2016-8 Fred Yoder Graduate Fellowship, Sociology Department, Washington State University (\$3300)
- 2016 National Science Foundation Graduate Research Fellowship (Honorable Mention)
- 2015 College of Arts & Sciences Recruitment Fellowship, Washington State University (\$2500)
- 2012 Collegiate Learning Assessment, Dean's Cup Champion, California State University, Chico (\$600)

PROFESSIONAL MEETINGS

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- Roth, Adam R., Siyun Peng, and Brea L. Perry. "Cognitive Health Across Geographic Contexts: A Social Network Approach." American Sociological Association Meeting (Scheduled), Los Angeles, CA, August 5-9, 2022
- Roth, Adam R. and Siyun Peng. "Non-spousal Support, Marital Status, and Mortality Risk Among Older Adults." American Sociological Association Meeting (Virtual Meeting), August 6-10, 2021
- Roth, Adam R., Siyun Peng, and Brea L. Perry. "Personal Network Bridging Potential Among Rural and Urban Older Populations." Sunbelt International Social Network Conference (Virtual Meeting), July 5-10, 2021
- Perry, Brea L., Siyun Peng, William R. McConnell, Adam R. Roth, Max E. Coleman, Evan Finley, Hope Sheean. "An Evaluation of Social Bridging and Bonding Mechanisms in the Association of Social Networks and Cognitive Function." Sunbelt International Social Network Conference (Virtual Meeting), July 5-10, 2021
- Coleman, Max E., Adam R. Roth, Siyun Peng, and Brea L. Perry. "Educational Disparities in Cognitive Function and Cognitive Decline: Mediated by Social Networks." Population Association of America Meeting (Virtual Meeting), May 5-8, 2021
- Peng, Siyun, Adam R. Roth, and Brea L. Perry. "Measurement of Social Bridging Capital in Egocentric Network: A Test Using Five Domains of Well-being." Association of America Meeting (Virtual Meeting), August 8-11, 2020
- Roth, Adam R. "Personal Networks and Cognitive Impairment: Mechanisms of Social Causation and Social Contraction." UC Berkeley Network Symposium (Virtual Meeting), August 6-7, 2020
- Roth, Adam R., Siyun Peng, Evan Finley, and Brea L. Perry. "Network Recall Among Older Adults with Cognitive Impairments: A View From Two Worlds." Sunbelt International Social Network Conference (Virtual Meeting), July 13-17, 2020
- Cohn-Schwartz, Ella, Adam R. Roth, and Eric D. Widmer. "Household Transitions and Spousal Network Overlap." European Social Network Conference, Zurich, Switzerland, September 9-12, 2019
- Roth, Adam R. "Caregiving and Cognition in Later Life: Moderating Role of Social Networks." American Sociological Association Meeting, New York, NY, August 10-13, 2019
- Roth, Adam R. and Justin T. Denney. "Disparities in Preventable Mortality by Rurality and Area Deprivation." Population Association of America Meeting, Austin, TX, April 10-13, 2019
- Roth, Adam R. "Social Capital in Academia: Community Detection as Network Closure." American Sociological Association Meeting, Philadelphia, PA, August 11-14, 2018
- Roth, Adam R. "Informal Caregiving and Network Turnover among Older Adults." Population Association of America Meeting, Denver, CO, April 26-28, 2018

## INVITED PRESENTATIONS

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Roth, Adam R. “Social Network Typology and Cognitive Function Among Rural and Urban Older Populations.” Interdisciplinary Network on Rural Population Health Annual Meeting (Virtual Meeting), August 5, 2021

Roth, Adam R. “Social Networks and Rural-Urban Cognitive Health Disparities.” Interdisciplinary Network on Rural Population Health Annual Meeting (Virtual Meeting), August 5, 2020

Roth, Adam R. “Caregiving and Network Dynamics: A Life Course Approach.” Sociology Colloquium Series, Washington State University, November 2, 2018

Roth, Adam R. “Informal Caregiving and Network Turnover among Older Adults.” Duke Network Analysis Center, Duke University, May 14, 2018

## WORKSHOP TRAINING

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“Social Networks, Social Participation, and Life Transitions: A Life Course Perspective.” LIVES Winter School on Life Course, Bremen, Germany, March 12-18, 2018

“Social Networks and Health,” Duke Network Analysis Center, Durham, NC, May 22-26, 2017

## PROFESSIONAL SERVICE

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Journal referee: *Advances in Life Course Research*; *Advances in Medical Sociology*; *Ageing & Society*; *Alzheimer's & Dementia*; *BMC Psychiatry*; *Journal of Demographic Economics*; *Journal of Geriatric Psychiatry and Neurology*; *Journals of Gerontology: Psychological Sciences and Social Sciences*; *Journal of Health and Social Behavior*; *Network Science*; *PLoS One*; *Social Inclusion*; *Social Problems*; *Social Sciences*; *Social Science & Medicine*; *Social Science Research*; *Socius*

Review panel: Gerontological Society of America Annual Scientific Meeting (2020)

Reviewer for *Linear Regression Models: Applications in R* (Taylor & Francis); *Social Networks and Health Inequalities* (Springer Publishing)

## UNIVERSITY SERVICE

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Faculty Search Committee (Student Rep), Sociology Department, Washington State University, 2016-8

Graduate Student Travel Grant & Registration Review Committee, Washington State University, 2016-7

Graduate & Professional Student Association Senator, Washington State University, 2015-7

## RESEARCH EXPERIENCE

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Research Assistant, Justin T. Denney, Associate Professor of Sociology, Washington State University, 2018

Research Assistant, Thomas Rotolo, Professor of Sociology, Washington State University, 2017

Research Assistant, Initiative for Global Innovation Studies, Washington State University, 2015-6

## TEACHING EXPERIENCE

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*Indiana University*

SOC-S110—Understanding Social Data: Fall 2021 (Instructor)

*Washington State University*

SOC 320—Introduction to Social Research Methods: Fall 2017 (Instructor), Summer 2017 (Instructor)

SOC 321—Quantitative Techniques in Sociology: Spring 2019 (Instructor), Spring 2017 (Lab Instructor)

SOC 245—Sociology of Sport: Fall 2016 (Teaching Assistant)

PROFESSIONAL AFFILIATIONS

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American Sociological Association

Population Association of America

Gerontological Society of America

Interdisciplinary Network on Rural Population Health

International Network for Social Network Analysis

Network for Data Intensive Research on Aging

Alpha Kappa Delta Sociology International Honors Society

REFERENCES

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Indiana University  
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Phone: 509-335-441

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