

Stephen A. Matthews, Ph.D.
Emeritus Professor

Contact Address

c/o Department of Sociology and Criminology
The Pennsylvania State University
211 Oswald Tower,
University Park, PA 16802-6211

E-mail: sxm27@psu.edu

Research Interests

Measurement and Conceptualization of Place; Spatial Inequality; Urban Health; Spatial Analysis in Demographic and Health Research; Qualitative and Quantitative Data Integration; Applied Research

Research Profile

Publication summaries available at: Google Scholar (approx. as of May 31, 2024)
<http://scholar.google.com/citations?user=p1dGbQAAAAJ&hl=en>

	Citations	h-Index	i10-Index
All	~7,800	42	107
Since 2018	~4,000	31	83

NIH/My Bibliography

<http://www.ncbi.nlm.nih.gov/sites/myncbi/14CawHI7vm9An/bibliography/47243155/public/>

Web of Science Researcher ID [AAO-6173-2020](#)

ORCID identifier is [0000-0002-1645-4854](#) (Public site: <http://orcid.org/0000-0002-1645-4854>)
Scopus Author ID: [7201477376](#)

CURRENT POSITION AND AFFILIATIONS

Emeritus Liberal Arts Professor of Sociology, Anthropology, and Demography
(Courtesy: Department of Geography and School of International Affairs)

EDUCATION

B.Sc. Geography, University of Bristol, UK 1985.

Ph.D. Planning, University of Wales College of Cardiff (now Cardiff University), UK 1991.

PUBLICATIONS

Books and Edited Books

- Howell FM, Porter JR and Matthews SA (Editors) (2016). **Recapturing Space: New Middle-Range Theory in Spatial Demography**. Springer.
<http://www.springer.com/us/book/9783319228099>
- Burton LM, Kemp S, Leung M, Matthews SA and Takeuchi D (Editors) (2011) **Communities, Neighborhoods, and Health: Expanding the Boundaries of Place** Springer: ISBN: 978-1-441-97481-5. <http://www.springer.com/social+sciences/book/978-1-4419-7481-5>
- Zelinsky W and Matthews SA (2011). **The Place of Religion in Chicago** Center for American Places/University of Chicago Press; Chicago, Illinois. ISBN: 978-1-935-19515-3
<http://www.press.uchicago.edu/ucp/books/book/distributed/P/bo10395285.html>
- Witherspoon DP, White RMB, Bámaca-Colbert MY, Browning CR, Leech TGJ, Leventhal T, Matthews SA, Pinchak N, Roy AL, Sugie N, & Winkler EN (2023). **Place based developmental research: Conceptual and methodological advances in studying adolescent development in context**. Monographs of the Society for Research in Child Development.
<http://dx.doi.org/10.1111/mono.12472>

Published Articles

(* = Editorial Commentary or Introduction, or Encyclopedia Entry)

2024

- Kim OS, Jung H-W, Cha YJ, Matthews SA, Moon SD, Kim KW (2024) Future blood debt: Projecting blood supply and demand of South Korea based on subnational population projections (2021–2050). **Journal of Korean Medical Science** 39, e168.
<https://doi.org/10.3346/jkms.2024.39.e168>

2023

- Evans M, Graif, C, Matthews SA (2023) The role of infant health problems in constraining inter-neighborhood mobility: Implications for citywide employment networks. **Journal of Health and Social Behavior** 64(4) 555-577. <https://doi.org/10.1177/00221465231172176>
- Barber B, Kephart G, Martin-Misener R, Vallis M, Matthews SA, Atkins L, Cassidy C, Curran C, and Rainham, D (2023) Integrating Health Geography and Behavioral Economic Principles to Strengthen Context Specific Behavior Change Interventions. **Translational Behavioral Medicine** <https://doi/10.1093/tbm/ibado65/7329093>
- Yang TC, Kim S, Matthews SA, Shoff C (2023) Social vulnerability and the prevalence of opioid use disorder among older Medicare beneficiaries in US counties **Journal of Gerontology: Social Sciences** Series B 78 (12), 2111-2121. <https://doi.org/10.1093/geronb/gbad146>
- * Matthews SA, Kim P (2023) Activity Space. **Wiley International Encyclopedia of Geography** <https://doi.org/10.1002/9781118786352.wbieg2123>
- Hashtarkhane S, Matthews SA, Yin P, Mohammadi A, Mohammad Ebrahimi S, Tara M, Kiani B (2023) Where to place emergency ambulance vehicles? Using a capacitated maximum covering location model with real call data **Geospatial Health** 18:1198
<https://www.geospatialhealth.net/index.php/gh/article/view/1198/1282>
- Lewis-McCoy RL, Warikoo N, Matthews SA, Foley NF (2023) Resisting Amnesia: Renewing and Expanding the Study of Suburban Inequality. **Russell Sage Foundation Journal of the Social Sciences** 9(1):1-24 (and duplicated as part of a double issue at 9(2):1-24).
<https://doi.org/10.7758/RSF.2023.9.1.01>
- Yang TC, Kim S, Matthews SA (2023) Unemployment and opioid-related mortality rates in US counties: Investigating social capital and social isolation smoking pathways. **Social Problems** 70(20): 533-553 <https://doi.org/10.1093/socpro/spabo53>

2022

- Yang TC, Sun F, Matthews SA (2022) Multiscale dimensions of spatial process underlying US county COVID-19 fully vaccinated rates **American Journal of Preventive Medicine** 63(6) 954-961. <https://doi.org/10.1016/j.amepre.2022.06.006>
- Kim OS, Han J, Kim KW, Matthews SA, Shim C (2022) Depopulation, super aging, and extreme heat events in South Korea **Climate Risk Management** 38:100456
<https://doi.org/10.1016/j.crm.2022.100456>
- Obradović S, Matović S, Rabiei-Dastjerdi H, Matthews SA (2022) An ecological study of vulnerability to COVID-19 in Serbia - using Hotspot Analysis for evidence-based population health policy. **Forum Geografic**, XXI(1), 71-82. <https://doi.org/10.5775/fg.2022.103.i>
- Benassi F, Crisci M, Rimoldi S, Matthews SA (2022) Migrants' population, residential segregation, and metropolitan spaces: Insights from the Italian experience over the last twenty years. **Migration Letters** 19(3):287-302. <https://doi.org/10.33182/ml.v19i3.1795>
- Hashtarkhane S, Kiani B, Mohammadi A, Mohammad Ebrahimi S, Eslami S, Tara M, Matthews SA (2022) One-year spatiotemporal database of Emergency Medical Service (EMS) calls in Mashhad, Iran: Data on 224,355 EMS calls **BMC Research Notes** 15, 22
<https://doi.org/10.1186/s13104-022-05905-8>

2021

- White RMB, Witherspoon DP, Wei W, Zhao C, Pasco MC, Maereg T and PLACE Development Working Group (2021) Adolescent development in context: A decade review of neighborhood and activity space research. **Journal of Research on Adolescence** 31(4): 944-965.
<https://doi.org/10.1111/jora.12623> (the PLACE Development Working Group includes Bamaca-Colbert M, Browning C, Furr-Holden D, Leech T, Leventhal T, Matthews SA, Roy A, Sugie N, Winkler E).
- Hashtarkhane S, Kiani B, Mohammadi A, Mohammad Ebrahimi S, Eslami S, Tara M, Matthews SA (2021) Spatio-temporal epidemiology of emergency medical requests in a large urban area: A scan-statistic approach. **Geospatial Health** 16:1043
<https://geospatialhealth.net/index.php/gh/article/view/1043>
- Yang TC, Kim S, Matthews SA (2021) Face masking violations, policing, and COVID-19 death rates: A spatial analysis in New York City ZIP Code. **The Professional Geographer** 73(4):670-682.
<https://doi.org/10.1080/00330124.2021.1933552>
- Powers SL, Matthews SA, Mowen AJ (2021). Does the relationship between racial, ethnic, and income diversity and social capital vary across the United States? A county-level analysis using geographically weighted regression. **Applied Geography** 130:
<https://doi.org/10.1016/j.apgeog.2021.102446>
- * Matthews SA, Stiberman L (2021) Looking back, looking forward: Progress and prospect for spatial demography **Spatial Demography** 9(1): 1-3. <https://doi.org/10.1007/s40980-021-00084-9>
- Rabiei-Dastjerdi H, Matthews SA (2021) Who gets what, where, and how much? Composite index of spatial inequality for small areas in Tehran **Regional Science Policy and Practice** 13:191-205 <http://dx.doi.org/10.1111/rsp3.12393>
- Rabiei-Dastjerdi H, McArdle G, Matthews SA, Keenan P (2021) Gap analysis in Decision Support Systems for real estate in the era of the Digital Earth. **International Journal of Digital Earth** 14:1, 121-138. <https://doi.org/10.1080/17538947.2020.1808719>

2020

- Burillo P, Salvati L, Matthews SA, Benassi F (2020) Local scale fertility variation in a low-fertility country: Evidence from Spain (2002-2017). **Canadian Studies in Population** 47:279-295
<https://doi.org/10.1007/s42650-020-00036-6>
- Benassi F, Miccoli S, Salvati L, Rabiei-Dastjerdi H, Matthews SA (2020) Spatial variability in total fertility rate and crude birth rate in a low-fertility country: Patterns and trends in regional and local scale heterogeneity across Italy, 2002-2017. **Applied Geography** 124: 102321.
<https://doi.org/10.1016/j.apgeog.2020.102321>

- Sun F, Matthews SA, Yang TC, Hu M-H (2020) A spatial analysis of COVID-19 incidence rates in US counties: Where geography matters?" **Annals of Epidemiology** 52, 54-59.
<https://doi.org/10.1016/j.annepidem.2020.07.014>
One of the highest cited article in this journal 2019-2022.
- Chen VY-J, Yang TC, Matthews SA (2020) Exploring response and spatial heterogeneity in US mortality using geographically weighted quantile regression with a bootstrap enhancement. **Geographical Analysis** 52, 642–661. <https://doi.org/10.1111/gean.12229>
- Felmlee D, DellaPosta D, d. C. Inara Rodis P, Matthews SA (2020) Can social media anti-abuse policies work? A quasi-experimental study of online sexist and racist slurs. **Socius** 6:1-14.
<https://doi.org/10.1177/2378023120948711>
- Smith RA, Kim Y, Matthews SA, Sternberg ED, Doudou DT, Thomas M(2020) Communal Innovations: Inspiring Neighborhoods of Hope and Advocacy. **Journal of Health Communications** 25:444-453. <https://doi.org/10.1080/10810730.2020.1785059>
- Yang TC, Park K, Matthews SA(2020) Racial/ethnic segregation and health disparities: Future directions and opportunities. **Sociology Compass** 14(6): e12794.
<http://dx.doi.org/10.1111/soc4.12794>
- Felmlee D, Blanford J, Matthews SA, MacEachren AM. (2020) The geography of sentiment towards the Women's Mar of 2017. **PLoS ONE** 15(6):e0233994
<https://doi.org/10.1371/journal.pone.0233994>
- * Matthews SA (2020) Methods and applications in spatial demography: 2 **Mathematical Population Studies** 27(1):1-7.
- Tarlov E, Silva A, Wing C, Slater S, Matthews SA, Jones KK, Zenk SN (2020) Neighborhood Walkability and Body Mass Index Change: A National Study of Veterans in Large Urban Areas. **Obesity** 28(1):46-54.
- 2019**
- * Matthews SA (2019) Methods and applications in spatial demography: 1 **Mathematical Population Studies** 26(4):183-184.
- * Matthews SA (2019) Next Steps for *Spatial Demography*. **Spatial Demography** 7(2):109-112.
- * Matthews SA, Bacon R, Lewis-McCoy RL, Logan ES (2019) "Spatial Analysis." In **Oxford Bibliographies in Sociology**. Ed. Janeen Baxter. New York: Oxford University Press.
- * Matthews SA (2019) Spatial Analysis. Foundation Entries **SAGE Research Methods: An Encyclopedia** (Edited by PA Atkinson, S Delamont, R Williams, A Cernat) Thousand Oaks, CA. SAGE. <http://dx.doi.org/10.4135/9781526421036>
- Kraft A, Jones KK, Lin T-T, Matthews SA, Zenk SN (2019) Stability of Activity Space Footprint and Features over Six Months. **Spatial and Spatio-Temporal Epidemiology** 30: 100287
<https://doi.org/10.1016/j.sste.2019.100287>
- Borlu Y, Matthews SA (2019) An Inclusive Treadmill? Expansion of Industrial Maize Farming and Simple-Commodity Producers in Turkey. **Rural Sociology** 84(3):569-590.
- Yang TC, Matthews SA, Sun F, Armendariz M (2019) Modeling the relative importance of within and between county effects in an ecological study of the association between social capital and mental distress. **Preventing Chronic Disease** 16:180491 <http://dx.doi.org/10.5888/pcd16.180491>
- Verevkina NI, Short PF, Yang TC, Matthews SA, Camacho F, Anderson RT (2019) Analyzing hospital choices of colon cancer patients in four states in Appalachia. **Journal of Healthcare for the Poor and Underserved** 30(2):587-608.
- Lee BA, Farrell CR, Reardon SF, Matthews SA (2019) From census tract to local environments: An egocentric approach to neighborhood racial change. **Spatial Demography** 7(1):1-26.
- Jankowska MM, Sears D, Natarajan L, Martinez E, Anderson C, Sallis J, Matthews SA, Crist K, Dillon L, Johnson E, Barrera-Ng A, Full K, Godbole S, Kerr J. Protocol for a cross sectional study of cancer risk, environmental exposures and lifestyle behaviors in a diverse community sample: The Community of Mine study. **BMC Public Health** 19:186 DOI: 10.1186/s12889-019-6501-2
- Zenk SN, Kraft AN, Jones KK, Matthews SA (2019) Convergent validity of an activity-space survey for use in health research. **Health and Place** 56:19-23. DOI: 10.1016/j.healthplace.2019.01.009.

Slater S, Tarlov E, Jones KK, Matthews SA, Wing C, Zenk S (2019) Would increasing access to recreational places promote healthier weights and a healthier nation? **Health and Place** 56:127-134. DOI: [10.1016/j.healthplace.2019.01.013](https://doi.org/10.1016/j.healthplace.2019.01.013).

2018

- Borlu Y, Matthews SA (2018) Industrial maize as a commodity system: spatial scale and relations of production in Turkey's agriculture after economic restructuring. **Tijdschrift voor Economische en Sociale Geografie** 109 (5): 629-643. DOI:[10.1111/tesg.12323](https://doi.org/10.1111/tesg.12323)
- Tarlov E, Zenk SN, Wing C, Gordon H, Matthews SA, Jones KK, Powell LM (2018) Does effectiveness of weight management programs depend on the food environment? Evidence from a nationwide program. **Health Services Research** 53(6):4268-4290. DOI:[10.1111/1475-6773.13043](https://doi.org/10.1111/1475-6773.13043)
- Bagot KS, Matthews SA, Mason M, Squeglia L, Fowler J, Gray K, Herting M, May A, Colrain I, Godino J, Tapert S, Brown S, Patrick K (2018) Current, future and potential use of mobile and wearable technologies and social media data in the ABCD Study to increase understanding of contributors to child health **Developmental Cognitive Neuroscience** 32:121-129. DOI: [10.1016/j.dcn.2018.03.008](https://doi.org/10.1016/j.dcn.2018.03.008)
- Sims D, Matthews SA, Bopp MJ, Rovniak L, Poole E (2018) Predicting discordance between perceived and estimated walk and bike times among university faculty, staff, and students. **Transportmetrica A: Transport Science** 14(8):691-705 DOI:[10.1080/23249935.2018.1427814](https://doi.org/10.1080/23249935.2018.1427814).
- Zenk S, Matthews SA, Kraft A, Jones K (2018) How many days of global positioning system (GPS) tracking do you need to measure activity space environments in health research? **Health and Place** 51:52-60 DOI:[10.1016/j.healthplace.2018.02.004](https://doi.org/10.1016/j.healthplace.2018.02.004)
- * Rabiei-Dastjerdi H, Matthews SA (2018) The potential contributions of Geographic Information Science to the study of social determinants of health in Iran (Brief Report) **Journal of Education and Health Promotion** 7(1):17 (Isfahan University of Medical Sciences, Iran)
- May E, Azar ST, Matthews SA (2018) How does neighborhood "come through the door?" Concentrated disadvantage, residential instability, and the home environment for preschoolers. **American Journal of Community Psychology** 61(1-2):218-228 DOI:[10.1002/ajcp.12223](https://doi.org/10.1002/ajcp.12223)
- Rabiei-Dastjerdi H, Matthews SA, Ardalani A (2018) Measuring spatial accessibility to urban facilities and services in Tehran **Spatial Demography** 6(1):17-34 DOI:[10.1007/s40980-016-0028-2](https://doi.org/10.1007/s40980-016-0028-2)
- Bopp M, Sims D, Matthews SA, Rovniak L, Poole E, Colgan J (Published Online) Development, implementation and evaluation of Active Lions: A campaign to promote active travel to a university campus. **American Journal of Health Promotion** 32(3):505-513. DOI:[10.1177/0890117117694287](https://doi.org/10.1177/0890117117694287)
- Zenk SN, Tarlov E, Powell LM, Wing C, Matthews SA, Slater S, Gordon HS, Berbaum M, Fitzgibbon ML (Published Online) Weight And Veterans' Environments Studies (WAVES) I and II: Rationale, Methods, and Cohort Characteristics. **American Journal of Health Promotion** 32(3):779-794. DOI:[10.1177/0890117117694448](https://doi.org/10.1177/0890117117694448)
- Zenk SN, Tarlov E, Wing C, Matthews SA, Tong H, Powell LM (2018) Long-term weight loss effects of a behavioral weight management program: Does the food environment matter? **International Journal of Environmental Research and Public Health** 15(2), 211 DOI:[10.3390/ijerph15020211](https://doi.org/10.3390/ijerph15020211)

2017

- Wang M, Matthews SA, Iskandarani K, Li Y, Li Z, Chinchilli VM, Zhang L. Spatial-temporal analysis of prostate cancer incidence from the Pennsylvania Cancer Registry, 2000-2011. **Geospatial Health** 12(611),369-375. <http://geospatialhealth.net/index.php/gh/article/view/611/592> DOI: [10.4081/gh.2017.611](https://doi.org/10.4081/gh.2017.611)
- Tarlov E, Zenk S, Matthews SA, Powell LM, Jones KK, Slater S, Wing C (2017) Neighborhood resources to support healthy diets and physical activity among US military veterans **Preventing Chronic Disease** 14:E111 DOI: <https://doi.org/10.5888/pcd14.160590>
- Martin M, Lee BA, Matthews SA (2017) The spatial diffusion of racial and ethnic diversity across U.S. counties. **Spatial Demography** 5:145-169. DOI:[10.1007/s40980-016-0030-8](https://doi.org/10.1007/s40980-016-0030-8)

- Lee BA, Martin M, Matthews SA, Farrell C (2017) State-level changes in ethnoracial diversity, 1980-2015: A universal trend? **Demographic Research** Volume 37 (Article 33):1031-1048.
 * See also: Lee BA, Martin MJR, Matthews SA, Farrell CR (Jan 8, 2018) All U.S. states are becoming more racially diverse ... for now. IUSSP Online News Magazine, **N-IUSSP** (<http://www.niussp.org/article/becoming-more-racially-diverse-for-now/>)
- Graif C, Matthews SA (2017) The long arm of poverty: Extended and relational geographies of child victimization and neighborhood violence exposures. **Justice Quarterly** 34(6):1096-1125. DOI:10.1080/07418825.2016.1276951
- Zenk SN, Tarlov E, Wing C, Matthews SA, Jones KK, Tong H, Powell LM (2017) Geographic accessibility of food outlets not associated with body mass index change among veterans, 2009-2014. **Health Affairs** 36(8):1433-1442. DOI 10.1377/hlthaff.2017.0122
- Kramer MR, Black NC, Matthews SA, James S (2017) The legacy of slavery and contemporary heart disease trends: what does place encode? **SSM – Population Health** 3:609-617. DOI:10.1016/j.ssmph.2017.07.004
- Yang TC, Matthews SA, Park K (2017) Looking through a different lens: Examining the inequality-mortality association in U.S. counties using spatial panel models. **Applied Geography** 86:139-151. DOI 10.1016/j.apgeog.2017.07.006 PCM5602573.
- * Matthews SA (2017) Uncertain Geographic Context Problem. In **The International Encyclopedia of Geography**, Douglas Richardson et al (eds). Malden, Oxford: John Wiley and Sons, Ltd.
- Clary C, Matthews SA, Kestens Y (2017) Between exposure, access and use: reconsidering foodscape influences on dietary behaviors. **Health and Place** 44, 1-7 DOI:10.1016/j.healthplace.2016.12.005
- Jones KK, Zenk SN, Tarlov E, Powell LM, Matthews SA, Horoi I (2017) A Step-by-Step Approach to Improve Data Quality When Using Commercial Business Lists to Characterize Retail Food Environments **BMC Research Notes** 10:35 DOI 10.1186/s13104-016-2355-1 <http://rdcu.be/EesX>

2016

- Fowler CS, Lee BA, Matthews SA (2016) The contributions of places to metropolitan ethnoracial diversity: decomposing change across space and over time. **Demography** 53(6):1955-1977. DOI 10.1007/s13524-016-0517-3
- Rovniak LS, Kong L, Hovell MF, Ding D, Sallis JF, Ray CA, Kraschnewski JL, Matthews SA, Kiser E, Chinchilli VM, George DR, Sciamanna CN (2016) Engineering online and in-person social networks for physical activity: A randomized trial. **Annals of Behavioral Medicine** 50(6):885-897. DOI:10.1007/s12160-016-9814-8
- Kramer MR, Raskind I, VanDyke M, Matthews SA, Cook J (2016) The geography of adolescent obesity in the United States, 2007-2011. **American Journal of Preventive Medicine** 51(6):898-909. DOI:10.1016/j.amepre.2016.06.016
- Short PF, Moran JR, Yang TC, Camacho F, Gusani NJ, Mackley HB, Matthews SA, Anderson RT (2016) Effects of hospital type and distance on lymph node assessment for colon cancer patients in metropolitan and non-metropolitan Appalachian counties. **Medical Care Research and Review** 73:546-564. DOI:10.1186/s12936-015-0712-5
- Haley D, Matthews SA, Cooper HL, Haardörfer R, Adimora AA, Wingood GM, Kramer MR (2016) Confidentiality considerations for use of socio-spatial data on the social determinants of health: Sexual and reproductive health case study. **Social Science and Medicine** 166:49-56. DOI:10.1016/j.socscimed.2016.08.009
- Bopp M, Sims D, Matthews SA, Rovniak LS, Poole E, Colgan J (2016) There is an app for that: Development of a smartphone app to promote active travel to a college campus. **Journal of Transport and Health** 3(3):305-314 DOI:10.1016/j.jth.2016.02.007
- Bopp M, Sims D, Colgan J, Rovniak LS, Matthews SA, Poole E (2016) An examination of workplace influences on active commuting in a sample of university employees. **Journal of Public Health Management and Practice** 22(4):387-391. DOI:10.1097/PHH.0000000000000337
- Winchester M, BeLue R, Oni T, Wittwer-Backofen U, Deobagkar D, Onya H, Samuels TA, Matthews SA, Stone C, Airhihenbuwa C. (2016) The Pan University Network for Global Health: Framework for collaboration and review of global health needs. **Globalization and Health** 12:13 DOI 10.1186/s12992-016-0151-2 <http://globalizationandhealth.biomedcentral.com/articles/10.1186/s12992-016-0151-2>

- Fleming ST, Mackley HB, Camacho F, Yao N, Gusani NJ, Seiber EE, Matthews SA, Yang TC, Hwang W. (2016) Patterns of Care for Metastatic Colorectal Cancer in Appalachia, and the Clinical, Sociodemographic, and Service Provider Determinants **Journal of Rural Health** 32(2):113-124. DOI:10.1111/jrh.12132
- Wilson D, Bopp M, Cogan J, Sims D, Matthews SA, Rovniak L, Poole E. (2016) A social media campaign for promoting active travel to a university campus. **J of Healthcare Communication** 1(2):11.
- 2015**
- Yang TC, Matthews SA. (2015) Death by segregation: Does the dimension of racial segregation matter? **PLoS ONE** 10(9): e0138489 DOI: 10.1371/journal.pone.0138489. PMC4580431.
- Matthews SA, Logan ES, Bacon R. (2015) Spatial analysis. In **Oxford Bibliographies Online – Sociology**, Ed. Janeen Baxter. New York: OUP. DOI:10.1093/OBO/9780199756384-0058
- * Lee BA, Matthews SA, Firebaugh G, Iceland J. (2015) Residential inequality: Overview and orientation. **The Annals of the American Academy of Political and Social Science** 660:8-16 (July, 2015). DOI:10.1177/0002716215579832
- * Firebaugh G, Iceland J, Matthews SA, Lee BA. (2015) “Residential Inequality: Significant findings and policy implications. **The Annals of American Academy of Political and Social Science** 660:360-366 (July, 2015). DOI:10.1177/0002716215580060
- Parker DM, Matthews SA, Yan G, Zhou G, Lee M-C, Sirichaisinthop J, Kiattibutr K, Sattabongkot J, Cui L (2015) Microgeography and molecular epidemiology of malaria at the Thailand-Myanmar border in the malaria pre-elimination phase. **Malaria Journal** 14(1):198. DOI:10.1186/s12936-015-0712-5 <http://www.malariajournal.com/content/14/1/198>
- Kimmick GG, Camacho F, Kern T, Fleming S, Liao J, Matthews SA, Hwang W, Mackley HB, Lipscomb J, Yao N, Anderson, RT (2015). Age, socioeconomic status, geographic region, and provider characteristics associated with receipt of guideline-concordant care for stages I-III breast cancer in Appalachia. **Journal of Oncology Practice** 11(1):e9-e18. DOI:10.1200/JOP.2014.001.397
- 2014**
- Graif C, Gladfelter AS, Matthews SA (2014) Urban poverty and neighborhood effects on crime: Incorporating spatial and network perspectives. **Sociology Compass** 8/9:1140-1155 . DOI: 10.1111/soc4.12199
- Anderson RT, Yang TC, Matthews SA, Camacho F, Kern T, Mackley H, Kimmick G, Louis C, Lengerich E, Yao N (2014) Breast cancer screening rates and percentage of late stage tumors: Does geography matter? **Health Services Research** 49(2):546-567. DOI: 10.1111/1475-6773.12108. PMC: 3976186
- Yang TC, Matthews SA, Chen VY-J (2014) Stochastic variability in stress, sleep duration and sleep quality across the distribution of body mass index: Insights from quantile regression. **International Journal of Behavioral Medicine** 21(2):282-291. PMID: PMC3851937 DOI 10.1007/s12529-013-9293-2
- Cummins S, Flint E, Matthews SA (2014) New neighborhood grocery store increased awareness of food access but did not alter dietary habits or obesity. **Health Affairs** 33(2):283-291. DOI: 10.1377/hlthaff.2013.0512 PMC 4201352
- Health Affairs** fourth highest read article in 2014
<http://healthaffairs.org/blog/2015/01/13/cms-spending-report-leads-health-affairs-2014-top-ten-list/>
See also Cummins S, Flint E, Matthews SA (2014) Grocery stores and obesity: The authors reply. **Health Affairs** 33(5):907. DOI: 10.1377/hlthaff.2014.0290
- Fleming ST, Mackley HB, Camacho F, Seiber EE, Gusani NJ, Matthews SA, Liao J., Yang TC, Hwang W, Yao N (2014) Clinical, sociodemographic and service provider determinants of guideline concordant colorectal cancer care for Appalachia. **Journal of Rural Health** 30(1):27-39. DOI 10.1111/jrh.12033
- Duncan DT, Kawachi I, Kum S, Aldstadt J, Piras G, Matthews SA, Arbia G, Castro MC, White K, Williams DR (2014) A spatially explicit approach to the study of socio-demographic inequality in the spatial distribution of trees across Boston neighborhoods. **Spatial Demography** 2(1):1-29. DOI:10.1007/BF03354902 <http://spatialdemography.org/wp-content/uploads/2014/03/Duncan.pdf>

2013

- Li N, Parker DM, Yang Z, Fan Q, Zhou G, Ai G, Duan J, Lee M-C, Yan G, Matthews SA, Cui L, Wang Y (2013) Risk factors associated with slide positivity among febrile patients in a conflict zone of north-eastern Myanmar along the China-Myanmar border. **Malaria Journal** 12:361 <http://www.malariajournal.com/content/12/1/361> DOI: 10.1186/10.1186/1475-2875-12-361 PMC3852943
- Yang TC, Matthews SA, Anderson RT (2013) Prostate cancer screening and health care system distrust in Philadelphia. **Journal of Aging and Health** 25(5):737-757 DOI 10.1177/0898264313490199 PMC 3761213.
- Rovniak LS, Sallis JF, Kraschnewski JL, Sciamanna CN, Kiser EJ, Ray CA, Chinchilli V, Ding D, Matthews SA, Bopp M, George DR, Hovell MF (2013) Engineering online and in-person social networks to sustain physical activity: Application of a conceptual model. **BMC Public Health** 13:753 DOI 10.1186/1471-2458-13-753 URL: <http://www.biomedcentral.com/1471-2458/13/753> PMC 3844372.
- Flint E, Cummins S, Matthews SA (2013) Do perceptions of the neighborhood food environment predict fruit and vegetable intake in low-income neighborhoods? **Health and Place** 24:11-15.
- Matthews SA, Yang TC (2013) Spatial Polygamy and Contextual Exposures (SPACES): Promoting activity space approaches in research on place and health. **American Behavioral Scientist** 57(8):1057-1081. DOI 10.1177/0002764213487345 PMC: 3975622
- Zhang C, Mosa AJ, Hayward AS, Matthews SA (2013) Promoting clean hands among Uganda's children: A school-based intervention using tippy-taps. **Public Health** 127(6):586-589. DOI: 10.1016/j.puhe.2012.10.020 PMC: 4065016
- Yao N, Matthews SA, Hillemeier MM, Anderson RT (2013) Radiation therapy resources and guideline-concordant radiotherapy for early-stage breast cancer patients in an underserved region. **Health Services Research** 48(4):1433-1449. DOI: 10.1111/1475-6773.12047 PMC: 3703497
- * Matthews SA, Parker DM (2013) Progress in spatial demography. **Demographic Research** Volume 28, Article 10, 271-312. DOI: 10.4054/DemRes.2013.28.10
- Yang TC, Shoff C, Matthews SA (2013) Examining the spatially non-stationary associations between the second demographic transition and infant mortality: A Poisson GWR approach. **Spatial Demography** 1(1):18-41. PMC: 4224018
- Fuller D, Cummins S, Matthews SA (2013) Does transportation mode modify associations between distance to food store, fruit and vegetable consumption and BMI in low income neighborhoods? **American Journal of Clinical Nutrition** 97(1):167-172. DOI:10.3945/ajcn.112.036392 PMID: 23193006 PMC3712124

2012

- Zenk SN, Schulz AJ, Odoms-Young A, Wilbur J, Matthews SA, Gamboa C, Wegrzyn L, Hobson S, Stokes C (2012). Feasibility of using global positioning systems (GPS) with diverse urban adults: Before and after data on perceived acceptability, wear-related concerns, and ease of use. **Journal of Physical Activity and Health** 9(7): 924-934. PMID 21952361 PMC339715
- Yao N, Matthews SA, Hillemeier MM (2012) White infant mortality in Appalachian states, 1976-1980 and 1996-2000: changing patterns and persistent disparities. **Journal of Rural Health** 28(2):174-182. DOI:10.1111/j.1748-0361.2011.00385.x PMID: 22458318 PMC 3733175.
- Shoff C, Yang TC, Matthews SA (2012) What has geography got to do with it? Using GWR to explore place-specific associations with prenatal care utilization. **GeoJournal** 77(3):331-341. DOI 10.1007/s10708-010-9405-3. PMID: PMC3569028
- * Matthews SA (2012). Thinking about place, spatial behavior, and spatial processes in childhood obesity **American Journal of Preventive Medicine** 42(5):516-520 (Guest editor) DOI:10.1016/j.amepre.2012.02.004. PMID 22516493 PMC3755945.
- Yang TC, Chen VY-J, Shoff C, Matthews SA (2012) Using quantile regression to examine the effects of inequality across the mortality distribution in the US counties. **Social Science and Medicine** 74:1900-1910 DOI:10.1016/j.socscimed.2012.02.029. PMID 22497847 PMC3348237 NIHMSID: NIHMS365347
- Chen VY-J, Deng W-S, Yang TC, Matthews SA (2012) Geographically Weighted Quantile Regression (GWQR): an application to U.S. mortality data. **Geographical Analysis** 44(2):134-150. DOI:10.1111/j.1538-4632.2012.00841.x. PMC4204738

- Gilreath TD, Chaix B, King G, Matthews SA, Flisher AJ (2012) Multi-level influence of school norms on tobacco use in South Africa: An econometric consideration of group differences. **Cancer Causes and Control** 23:27-36. DOI:10.1007/s10552-012-9908-y
- Yang TC, Matthews SA (2012) Understanding the non-stationary associations between distrust of the health care system, health conditions, and self-rated health in the elderly: A geographically weighted regression approach. **Health and Place** 18:576-585 DOI:10.1016/j.healthplace.2012.01.007 PMID: 22321903 PMC: 3319514.
- Matthews, SA, Yang TC (2012) Mapping the results of local statistics: Using geographically weighted regression. **Demographic Research** Volume 26, Article 6, 151-166. DOI:10.4054/DemRes.2012.26.6. PMC: 4286400.

2011

- Yang TC, Matthews SA, Shoff C (2011) Individual health care system distrust and neighborhood social environment; how are they jointly associated with self-rated health? **Journal of Urban Health**. 88 (5):945-958. DOI:10.1007/s11524-011-9561-x PMID: 21455831; PMC3191206.
- Zenk SN, Schulz AJ, Matthews SA, Odums-Young A, Wilbur J, Wegrzyn L, Gibbs K, Braunschweig C, Stokes C (2011) Activity space environment and eating and physical activity behaviors: a pilot study. **Health and Place** 17:1150-1161. DOI:10.1016/j.healthplace.2011.05.001. PMID: 21696995; PMC3224849.
- The third highest cited article in **Health and Place** (2010-2015)*
- Matthews SA (2011) Spatial analysis. In **Oxford Bibliographies Online – Sociology** <http://www.oxfordbibliographiesonline.com/view/document/obo-9780199756384/obo-9780199756384-0058.xml>
- Yang TC, Matthews SA, Hillemeier M (2011) Effect of health care system distrust on breast and cervical cancer screening in Philadelphia, Pennsylvania. **American Journal of Public Health** 101(7):1297-1305. DOI:10.2105/AJPH.2010.300061 PMID: 21566035; PMCID: PMC3110214.
- Matthews SA, McCarthy JD, Rafail PS (2011) Using ZIP Code Business Pattern data to measure alcohol outlet density. **Addictive Behaviors** 36:777-780. DOI: 10.1016/j.addbeh.2011.02.009 PMID: 21411233; PMC3977340

2010 and earlier

- Matthews SA, Yang TC (2010) Exploring the role of built and social neighborhood environments in moderating stress and health. **Annals of Behavioral Medicine** 39:170-183. DOI: 10.1007/s12160-010-9175-7 PMID: 20300905. PMC4017772
- Matthews SA, Yang TC, Hayslett KL, Ruback RB (2010) Built environment and property crime in Seattle, 1998-2000: A Bayesian analysis. **Environment and Planning A** 42:1403-1420. DOI:10.1068/a42393. PMC3984884.
- Yang, TC, Matthews SA (2010) The role of social and built environments in predicting self-rated stress: A multilevel analysis in Philadelphia. **Health and Place** 16:803-810. DOI:10.1016/j.healthplace.2010.04.005 PMID: 20434389; PMC3200568.
- Gubhaju B, Matthews SA (2009) Women's empowerment, sociocultural context, and reproductive behavior in Nepal. **Asia-Pacific Population Journal** 24(2): 25-50.
- Matthews SA, Moudon AV, Daniel M (2009) Using Geographic Information Systems (GIS) for enhancing research relevant to policy on diet, physical activity, and weight. **American Journal of Preventive Medicine** 36(4S):171-176. DOI:10.1016/j.amepre.2009.01.011 PMID: 19285210.
- Reardon SF, Farrell CR, Matthews SA, O'Sullivan D, Bischoff K, Firebaugh G (2009) Race and space in the 1990s: changes in the geographic scale of racial residential segregation, 1990-2000. **Social Science Research** 38:55-70. DOI:10.1016/j.ssresearch.2008.10.002 PMID: 19569292. PMC 4057018
- Lee BA, Reardon SF, Firebaugh G, Farrell CR, Matthews SA, O'Sullivan D (2008). Beyond the census tract: patterns and determinants of racial segregation at multiple geographic scales. **American Sociological Review** 73:766-791. DOI: 10.1177/000312240807300504 PMC 4196718.
- Reardon SF, Matthews SA, O'Sullivan D, Lee BA, Firebaugh G, Farrell CR, Bischoff K (2008) The geographic scale of metropolitan racial segregation. **Demography** 45(3):489-514. PMID: 18939658; PMC2831394.

- * Matthews SA (2008) The salience of neighborhoods: lessons from early Sociology? (Guest commentary) **American Journal of Preventive Medicine** 34(3):257-259.
DOI:10.1016/j.amepre.2007.12.001 PMID: 18312814.
- Matthews SA, Detwiler J, Burton LM (2005) Geoethnography: coupling geographic information analysis techniques with ethnography methods in urban research. **Cartographica** 40(4):75-90.
*As of Mar 2020: this article ranked 4th in total citations received for articles published by the journal **Cartographica** (total cites on Google Scholar as of April 2024 = 304)*
See <https://www.utpjournals.press/action/showMostCitedArticles?journalCode=cart>
- Kaduri P, Gilreath T, Kilonza G, King G, Flisher A, Matthews SA (2005) The influence of social networks on adolescent smoking in Dar es Salaam, Tanzania. **Promotion and Education** 12(2):10-14. PMID: 16429759.
- Matthews SA, Shivakoti GP, Chhetri NB (2000) Population forces and environmental change: observations from Western Chitwan, Nepal. **Society and Natural Resources** 13(8):763-775.
- Matthews SA, Ribar D, Wilhelm M (1997) The effects of economic conditions and access to reproductive health services on state abortion and birth rates. **Family Planning Perspectives** 29 (2):52-60.
- * Matthews SA (1995) Geographies of women's health. **Geoforum** 26(3):239-245.
- Matthews SA, Rosenberg M (1995) Teaching medical geography. **Journal of Geography in Higher Education** 19(3):317-334.
- Matthews SA (1993) Curriculum re-development: medical geography and women's health. **Journal of Geography in Higher Education** 17(2):91-102.
- Matthews SA (1993) Using citation databases for something useful. **Area** 25(3):309-313.
- Matthews SA (1990) Epidemiology using a GIS: a need for caution. **Computers, Environment and Urban Systems** 14(3):213-21.
- Matthews SA (1990) Gastric cancer: an epidemiological review. **Environmental Geochemistry and Health** 12(2):201-214. DOI:10.1007/BF01782983
- Batty M, Matthews SA (1988) Relationships between teaching and research? A comment on Knight's findings. **Area** 20(2):158-62.
- Wrigley N, Matthews SA (1987) Citation classics in geography and the new centurions: a response to Haigh, Mead and Whitehand. **Area** 19(3):279-84.
- Wrigley N, Matthews SA (1986) Citation classics and citation levels in geography. **Area** 18(3):185-194.

Published Conference Proceedings

- Rabiei-Dastjerdi H, Mohammadi S, Samouei R, Kazemi M, Matthews SA, McArdle G, Homayouni S, Kiani B and Sadeghi R (2023) Measuring spatial accessibility to healthcare facilities in Isfahan metropolitan area in Iran. **ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume X-4/W1-2022; GeoSpatial Conference 2022 – Joint 6th SMPR and 4th GIREsearch Conferences**, Feb 2023, Tehran, Iran.
<https://doi.org/10.5194/isprs-annals-X-4-W1-2022-623-2023>.
- Yang TC, Kifer D and Matthews SA. Multiple imputations of subregions with censored location data: A Kullback-Leibler divergence approach. **International Conference on Computational Social Science**.
- Zhang Y, Yang TC and Matthews SA (2016) Inferring Censored Geo-Information with Non-Representative Data. In **Machine Learning and Data Mining in Pattern Recognition: 12th International Conference**, New York, NY. DOI: 10.1007/978-3-319-41920-6_17
- Matthews SA (1989) GIS methodology and spatial statistics: the potential for epidemiological study. **Proceedings of the First Annual Conference of the Association for Geographic Information** Oct 1989. National Exhibition Centre, Birmingham, UK.

Book Chapters

- Hunter-Adams J, Makandwa T, Matthews SA, Nyamnjoh H, Oni T and Vearey J (2018). Connecting problems, connecting scholars: creating a sustainable interdisciplinary discourse around migration, urbanization and health (Ch 2; Pp. 9-20) **Global Health Collaboration: Challenges and Lessons** Winchester M, Belue R, Knapp C (editors). Springer, New York, NY.
- Howell FM, Porter JR and Matthews SA (2016) Introduction – Recapturing Spatial Approaches to Social Science Problems. Pp. 1-8, Chapter 1 in Howell FM, Porter JR and Matthews SA (editors). **Recapturing Space**. Springer, New York, NY.
- Siordia C, Matthews SA (2016) Extending the boundaries of place. Pp 37-56, Chapter 3 in Howell FM, Porter JR and Matthews SA (editors). **Recapturing Space**. Springer, New York, NY.
- Matthews SA (2016) Instruction in spatial demography. Pp. 355-369, Chapter 17 in Howell FM, Porter, JR and Matthews SA (editors). **Recapturing Space**. Springer, New York, NY.
- Howell FM, Porter JR and Matthews SA (2016) Concluding Remarks: Developing Spatial Demography. Pp. 371-379, Chapter 18 in Howell FM, Porter, JR and Matthews SA (editors). **Recapturing Space**. Springer, New York, NY.
- Matthews SA (2011) Spatial polygamy and the heterogeneity of place: studying people and place via egocentric methods. Pp. 35-55, Chapter 3 in Burton L, Kemp S, Leung M, SA Matthews and Takeuchi D (editors) **Communities, Neighborhoods, and Health: Expanding the Boundaries of Place** Springer, New York, NY.
- Burton L, Kemp S, Leung M, Matthews SA, Takeuchi D (2011) Introduction – Communities, Neighborhoods, and Health: Expanding the Boundaries of Place. Pp. vii-xii, Preface in Burton L, Kemp S, Leung M, SA Matthews and Takeuchi D (editors) **Communities, Neighborhoods, and Health: Expanding the Boundaries of Place** Springer, New York, NY.
- Martin D, Rees P, Durham H, Matthews SA (2009) “Census and population analysis” Pp. 53-75, Chapter 4 in Rees P, Mackay L, Martin D, and Durham H (Editors) **E-Learning For Geographers: Online Materials, Resources And Repositories** Idea Group, Inc, Hershey, PA.
- Skinner D, Matthews SA, Burton LM (2005) Combining ethnography and GIS technology to examine constructions of developmental opportunities in contexts of poverty and disability. Pp. 223-239, Chapter 7 in Weisner T (Ed.). **Discovering successful pathways in children's development: Mixed methods in the study of childhood and family life**. MacArthur Foundation: University of Chicago Press, Chicago, IL.
- Clogg CC, Rudas T, Matthews SA (1998) Analysis of model misfit, structure and local structure in contingency tables using graphical displays based on the mixture index of fit. Pp. 425-39, Ch. 29 in Blasius J, Greenacre M (eds.) **Visualization of Categorical Data** (Academic Press: San Diego, CA).
- Matthews SA (1997) Methods for incorporating scale effects in research on the interrelationships between population and environment, pp. 205-218 in Shivakoti G, Varughese G, Ostrom E, Shukla A and Thapa G (eds), **Participation, People, and Sustainable Development: Understanding the Dynamics of Natural Resource Systems** (Workshop in Political Theory & Policy Analysis/Winrock International: Bloomington, IN)

Book Reviews

- Religion and Community in the New Urban Era* by Numrich PD and Wedam E (2015) **American Journal of Sociology** 122(3):1000-1002.
- Spatial Inequalities: Health, Poverty, and Place in Accra, Ghana*, by Weeks JR, Hill AG and Stoler J (Editors) (2013) Springer. **Spatial Demography** 3(1):55-57.
- Small Cities USA: Growth, Diversity, and Inequality*, by Norman JR (2013) Rutgers University Press. **Contemporary Sociology: A Journal of Reviews** 43(5), 723-725.
- Visualizing Data Patterns with Micromaps*, by Carr DB and Williams Pickle L (2010) Interdisciplinary Statistical Series. Boca Raton, Florida: CRC Press. **Spatial Demography** 1(1):141-143.

- Maphead: Charting the Wide, Weird World of Geography Wonks* by Jennings K (2011) **American Journal of Preventive Medicine** 42(5):e99–e100 (May 2012). DOI:10.1016/j.amepre.2012.02.010
- GIS Tutorial for Health, Third Edition* by Kurland KS and Gorr WL (2009) ESRI Press: Redlands, CA. **American Journal of Preventive Medicine** 37(6), 574-575. 2009.
- Fundamentals of Geographic Information Systems* by DeMers M (2000) John Wiley: New York. **Area** 33(2):223-224. 2001.
- AIDS, Homelessness and Stigmatization: the NIMBY syndrome in the US at the end of the 20th Century* by Takahashi L (1998) Oxford University Press: Oxford. **Progress in Human Geography** 25(3):513-514. 2001.
- Deciphering Global Epidemics: Analytical Approaches to the Diseases Records of World Cities, 1888-1912* by Cliff A, Haggett P and Smallman-Raynor M (1998) Cambridge University Press: Cambridge. **Historical Geography** 28: 281, 280, 283. 2000.
- "Mama might be better off dead": the failure of health care in urban America by Abraham LK (1993) University of Chicago Press: Chicago. **Health and Place** 2(3):194. 1995.
- Full Circles: Geographies of Women over the Life Course* edited by Katz C and Monk J (1993) Routledge: New York. **Journal of Regional Science** 33(4):571-573. 1993.
- Geomedical Systems: Intervention and Control* by Thomas R (1992) Routledge: New York in **Journal of Regional Science** 33(4):568-570. 1993.
- The Geography of AIDS: Origins and Course of an Epidemic* by Shannon GW *et al* (1991) Guildford Press: New York. **Transactions, Institute of British Geographers** 18(3):412-413. 1993.
- Geographical Information Systems and their Socioeconomic Applications* by Martin D (1991) Routledge, Chapman and Hall: London. **Environment and Planning B: Planning and Design** 19(2):238-9. 1992.

Letters to the Editor & Conversations

- Rabiei-Dastjerdi H and Matthews SA (2018) Isfahan City Hospitals in the Context of Urban Growth: New Developments and Future Challenges **Iranian Journal of Health Information Management** (Isfahan University of Medical Sciences, Iran) 15(1):1-2.
- Santos A, Matthews SA and DeJong G (2017) Training paradigms in Applied Demography **PAA Affairs**
- Matthews SA (2013) Conversations with a spatial demographer, Stephen Matthews (interview by Paul Voss). **Spatial Demography** 1(2):195-201.

Miscellaneous Writings & Working Papers

- Zelinsky W and Matthews SA (1998) Foreign-born physicians in the United States: a geographic exploration. **Population Research Institute Working Paper** (WP) 98-13.
- Matthews SA (1997) For my friend Glenda Laws 1959-1996 in **Nonprofit and Voluntary Sector Quarterly** 26(3):337-342. Accompanying Glenda Laws' article "Voluntary organizations and advocacy: the case of housing for older Americans." *During 1996-1997 I edited articles/chapters written by Glenda Laws.*
- Green A, Higgs G, Matthews SA and Webster C (1989) The Wales and South West Regional Research Laboratory **Mapping Awareness** 3(3):23-26.
- Matthews SA (1989) GIS methodology applied to an epidemiological study of gastric cancer in Wales **British Urban and Regional Information System Association** 88:7-9.

Technical & Workshop Reports

- Xiang W, Jones K, Matthews SA, Abu Zayd H, Zenk SN (2018) Street connectivity: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Xiang W, Jones K, Matthews SA, Zenk SN (2018). Road safety features: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>

- Xiang W, Jones K, Matthews SA, Zenk SN (2018). Park accessibility: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Xiang W, Jones K, Matthews SA, Zenk SN (2018). Employee density in select industries as an indicator of walkable destination density: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Xiang W, Jones K, Matthews SA, Zenk SN (2018). Neighborhood land area: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Xiang W, Jones K, Matthews SA, Zenk SN (2018). Population and Housing Units in the Neighborhood: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Jones K, Xiang W, Matthews SA, Zenk SN (2018). Accessibility of businesses: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Xiang W, Jones K, Matthews SA, Zenk SN (2018). Distance to nearest environmental setting: Weight and Veterans' Environments Study GIS protocol, Version 1. Retrieved from Weight and Veterans' Environments Study website: <https://waves.uic.edu/>
- Matthews SA, Goodchild MF, Janelle DG (2012) Future Directions in Spatial Demography: Final Report. Penn State and UCSB collaboration on a Specialist Meeting on Future Directions in Spatial Demography. Available online at <http://ncgia.ucsb.edu/projects/spatial-demography>
- Matthews SA, Gubhaju B (2004) *Contextual influences on the use of antenatal care in Nepal*. **DHS Geographic Studies report #2 ORC/Macro**, Calverton, Maryland. <http://www.measuredhs.com/publications/publication-SAR6-Spatial-Analysis-Reports.cfm>
- Matthews SA (1999) *Working with PopMap: Integration of Population, Reproductive Health and Geographic Databases* **Statistics Division, United Nations**, New York.
- McLaughlin DK, Lichter DT, Matthews SA (1999) *Demographic Diversity and Economic Change in Appalachia*. A report for the Appalachian Regional Commission, Washington DC. <http://www.arc.gov/images/reports/demographic/demographics.pdf>
- Center for Integrated Regional Assessment (CIRA) team at Penn State Report to NSF (2003). Available at <http://www.cira.psu.edu/CIRA%20Report%202003.pdf> (one of 19 CIRA Team members)
- Matthews SA, Gubhaju B (2003) *Leveraging Nepal DHS with GIS: Final Report*. Macro International, Calverton, MD. Sept, 2003 (Revised December 2003). Progress Reports (June 2003 and Dec 2002).
- Matthews SA (2003) *Final Report on Developing a Community and Water Resource Interactions Perspective for Kathmandu University's Planned Human and Natural Resource Studies Center* The Ford Foundation: New Delhi. May, 2003. Progress Reports (08/2002, 05/2001, 04/2003, 07/2000, & 10/1999).
- Matthews SA, et al (2001) Geospatial Information Systems at The Pennsylvania State University. Report prepared for the Vice-President for Research, Penn State. Nov, 2001.
- Matthews SA (2000) Geocoding DHS clusters: potentials and problems. Report prepared for Macro International GIS+MEASURE Program. August, 2000.
- Matthews SA (2000) Geocoding and contextual data issues associated with the National Survey of Family Growth (NSFG). Report prepared for University of Michigan, May, 2000.
- Matthews SA (1998) *Geographic information systems and their applications in population activities studies*. Workbook for the Statistical Division, United Nations New York (part of the first draft of technical report *Working with PopMap: Integration of Population, Reproductive Health and Geographic Databases* Statistics Division, United Nations, New York).
- Matthews SA (1997) Distance learning experiment: Population Information Network modules. Dept. for Economic and Social Information and Policy Analysis (DESIPA), United Nations, New York.
- Matthews SA (1995) Information technology, the Internet and the Global Population Information Network. Prepared for the Global Population Information Network (POPIN) Information Technology Working Group and the Advisory Committee, Bangkok, Thailand.
- Matthews SA (1989) Gastric cancer and the Welsh environment: a review of the epidemiology literature Wales & South-West Regional Research Laboratory Technical Reports in Geo-Information Systems, Computing and Cartography No.13 (ISBN: 1-869-85436-5).
- Matthews SA (1989) Computer packages for survival analysis Research Laboratory Technical Reports in Geo-Information Systems, Computing and Cartography No. 9 (ISBN: 1-869-85456-X).
- Matthews SA (1989) Gastric cancer and the Welsh environment. Final Report. The Welsh Office, Cardiff (Sept, 1989). Progress Reports prepared Jan, 1989, April, 1989

Fotheringham AS, Longley P, Moore L, Smith R, Matthews SA, Thompson S (1989) Synthesizing income data to enhance the 1986 Welsh Housing Conditions Survey. The Welsh Office, Cardiff, UK. Progress Report (Sept 1988).

Newspaper Commentary

Matthews SA, Mulfinger L (2012) Nourish your family with food choices. *Centre Daily Times* July 25, 2012, p. 6. <http://www.centredaily.com/2012/07/25/3272088/nourish-your-family-with-food.html>

Media and Other Interviews

October 2014: interviewed by Rebecca Tuhus-Dubrow of www.nextcity.com on the subject of activity space and neighborhood research.

August, 2014: interviewed by Brett Sholtis of the *York Daily Record* for a story on food deserts in York, PA that cited the study in Health Affairs. "In York's food desert, a small oasis," *York Daily Record* 08/12/14. http://www.ydr.com/business/ci_26323980/yorks-food-desert-small-oasis

Feb 2014: interviewed by Patti Neighmond for National Public Radio for story on **Health Affairs** paper "New neighborhood grocery store increased awareness of food access but did not alter dietary habits or obesity" (with Steven Cummins and Ellen Flint) – broadcast 02/10/14 on *Morning Edition*. Also interviewed by Elana Gordon of WHYY/NewsWorks.org; article picked up in *The Los Angeles Times* and other media outlets.

April 2012: The special issue of **American Journal of Preventive Medicine** on GIS and Childhood Obesity was picked up by ABC News, Time, Huffington Post, Scientific American, and other media outlets, newsletters, and blogs.

Interviewed on June 9, 2011 by Tory Parrish, Pittsburgh Tribune-Review on the USDA Food Desert Online Atlas and Food Environments in Allegheny County and SW Pennsylvania.

Interviewed on Jan 30, 2008 by Sean Sloan, Health Policy Analyst, Council of State Government, Kentucky on the Pennsylvania Fresh Food Financing Initiative and the Neighborhood Food Environments Study.

Interviewed by Jessie Halladay, *The Louisville Courier-Journal*, on Jan 16, 2008 for a story titled "Cities Study Dearth of Healthy Food." This article appeared in *USA Today* on Jan 24, 2008.

Interviewed by Dennis Gaffney, freelance journalist, on April 23, 2007 for a story titled "Wanted: Fresh Produce in Food Deserts." The article appeared in the *New York Times* on May 25, 2007 C12 as "Off the Back of a Truck, and Healthy."

Interviewed by Eric Eckholm, *New York Times*, on May 22, 2007 for a story that appeared in the *New York Times* on Friday May 25, 2007 p. A12 "In Market, Hopes for Health and Urban Renewal."

Interviewed by Amy Goldstein of the *Washington Post* August 10, 2006 for an article that appeared in the *Washington Post* on Sunday October 15, 2006 p. A03. "In Cities, Healthful Living Through Fresher Shopping."

Interviewed by David Pacchioli of *Research Penn State* for feature article titled "Not By Jobs Alone" that appeared in *Research/Penn State* Vol 24 (1), Jan 2003 (available online at: <http://www.rps.psu.edu/0301/jobs.html>)

Interviewed by Paul Blaum of Penn State's *Intercom* newsletter for a feature titled "Reduced access lowers abortion rates." *Intercom* Volume 27, issue 26. (http://www.psu.edu/ur/archives/intercom_1998/April2/news7.html#anchor858516).

Conference Presentations, Invited Talks, etc. These are listed between pages 33-40 of my CV

GRANT ACTIVITY

1: Active Research Grants

Ulf G. Bronas and Kiarri N. Kershaw (University of Illinois at Chicago): RO1 subcontract to Stephen A. Matthews on “A Dynamic Environmental Exposure Approach to Study Health Behaviors in Midlife.” National Institutes on Aging (awarded Sept, 2019)

2: Grant Applications

As of July 2024 no application are under review.

3: Other Completed Research Grants (internal & external) as PI, co-PI, consultant, mentor (post 2000 only)

- R. L' Heureux Lewis-McCoy (NYU) Spencer Foundation Mid-career Award “Mapping the terrain of unequal suburban schooling” Awarded Spring/Summer 2018. Role: Mentor.
- Diane Felmlee, Alan MacEachren, Daniel DellaPosta, Stephen A. Matthews, Justine Blanford. A quasi-experimental study of the effects of corporate policy. NSF RAPID grant (awarded Jan, 2018).
- Marta Jankowska (PI) (UCSD) et al. Hispanic Access and Exposure to the Built Food Environment. National Science Foundation. Awarded Jan, 2016.
- Dawn Witherspoon, Mayra Bámaca, Stephen A. Matthews. How does place matter? Examining Latino caregiver-child dynamics and youth problem behavior in a new immigrant destination. 2015-2016 NCFR Innovation Grant.
- Terry Jernigan (UCSD) Adolescent Brain Cognitive Development (ABCD) Study; Kevin Patrick (UCSD) coordinator of the Mobile Technologies and Passive Data Collection Workgroup. ABCD is funded by NIDA, NIAAA, NCI, and other NIH institutes. Awarded 2015.
- Shannon Zenk & Stephen A. Matthews (MPIs) Activity space and measuring environmental exposure in behavioral research. R21 National Cancer Institute Awarded April, 2015.
- Elizabeth Tarlov (Department of Veterans Affairs). “Improving VA Weight Management Outcomes: Role of the Residential Environment.” Department of Veterans Affairs. Awarded 2014.
- Shannon Zenk (PI) (University of Illinois at Chicago) et al. “Environmental Attributes and Weight Control: Study of Over 1.3 Million Veterans.” RO1 Subcontract Awarded Fall 2013 National Institutes of Health.
- Michael Kramer (Emory University) KO1 Award (NICHD) “Spatiotemporal neighborhood dynamics and early childhood cognitive development” Awarded Fall 2013. Role: Mentor
- Barrett A. Lee (PI), Stephen Matthews, Chad Farrell, Matthew Hall, and Laura Tach. “Racial and ethnic diversity in American communities, 1980-2010.” National Institutes of Child Health and Human Development Awarded: July, 2013.
- Sandra Azar (PI), Stephen A. Matthews, Peter Arnett, David Johnson. “Maternal Intelligence, Social Information Processing, and Neglect.” National Institute of Child Health and Human Development (NICHD) Awarded: July, 2010.
- Jacqueline Kerr (PI) (UCSD) et al. “PQA4 GPS exposure to environments and relations with biomarkers of cancer risk.” RO1 submitted to the National Institutes of Health. Awarded: August, 2013.
- Denis Gerstorf (PI) (Humboldt University Berlin), Melissa Hardy, Stephen Matthews, Nilam Ram, Christine Hoppmann, Guy Mayraz, and Gert Wagner. Environmental factors that regulate terminal decline: Late-life as a natural experiment. German Research Foundation, Germany. Awarded, Oct 2103.
- Dan Kifer (PI), Stephen Matthews, and Tse-Chuan Yang “A Utility for Private Data Sharing in Social Science.” A Trustworthy Computing (TWC) in the Social Behavioral and Economic Sciences (SBES) Medium application, National Science Foundation Awarded: Sept 1, 2012.
- Jacqueline Kerr (PI) (UC San Diego) R21 “Development and validation of novel prospective GPS/GIS based exposure measures.” National Institutes of Health. Awarded: Sept, 2012.
http://cwphs.ucsd.edu/index.php?option=com_content&view=article&id=84%3Aspatial&catid=34&Itemid=79 and
<http://cwphs.calit2.net/spatial-analyses-gps-data>
- Kevin Patrick (PI) (UC San Diego) RO1 “PALMS 2.0: Validation of objective measures of place based physical activity.” National Institutes of Health. <http://cwphs.calit2.net/palms>
- Stephen A. Matthews (PI), Steven Cummins “Neighborhood Food Environment, Diet and Health: Quasi-experimental study” in response to the RFA for obesity and the built environment (RFA-ES-04-003), National Institute of Environmental Health Sciences. Awarded 2005. No cost extension through 2011.
- Tamara Dubowitz (PI) (Rand, Pittsburgh) “Does a new supermarket improve dietary behaviors of low-income African Americans?” National Institutes of Health.
- Roger Anderson (PI) at the Hershey Medical Center, Penn State et al. “Patterns of care in Appalachia.” There are several co-investigators scattered across the Northern Appalachia Cancer Network (NACN) area at Penn State Hershey Medical Center, Penn State, Duke, Wake Forest, Kentucky, Ohio State, and West Virginia. National Cancer Institute. Awarded: June, 2009. No cost extension 2013-2014.

- Brian King (Geography, Penn State). HIV/AIDS as long-wave socio-ecological experience: Coupling social and ecological change in rural South Africa. Co-faculty mentor. SSRI Faculty Fellowship Award. Dec, 2013.
- Erica Frankenberg (Education, Penn State). Spatial analysis of contemporary school segregation patterns. Co-faculty mentor. SSRI Faculty Fellowship Award. Dec 2013.
- Liza Rovniak (PI) (Hershey), Jennifer Kraschewski, Stephen A. Matthews, Chester Ray, Christopher Sciamanna, Michele Shaffer, Shyam Sundar. "Social Networking for Activity Promotion with Cell Phones (SNAP-C)" Submitted to the New 2009-2010 Collaborative Dean's Feasibility Grant Application. \$62,040.
- Melissa Bopp (PI), Liza Rovniak, Stephen Matthews, Erika Poole. Development of sustainable social network and social marketing resources for promoting university-based active transport. Sustainability Institute, Penn State, Reinvention Fund. Fall 2013.
- Ming Wang (Penn State Hershey College of Medicine) and Stephen A. Matthews. Novel Spatial-temporal survival analysis on Prostate Cancer for Pennsylvania. Clinical and Translational Science Institute (CTSI), Penn State. Feb 2014.
- Stephen A. Matthews, Jo Vearey (U. Witwatersrand), Tolullah Oni (UCT) and Jo Hunter Adams (UCT). Migration, Urbanization and Health in Southern Africa. Global Health Network funds, Penn State. Dec 2014.
<http://sites.psu.edu/globalhealthnetwork/global-health-engagement-network-pan-university-network-for-global-health-funded-pilot-projects/b>
Workshop at the University of the Witwatersrand <http://migrationurbanisationhealth.tumblr.com>
- Ian Paul (PI), Kateryna D. Makova, Stephen A. Matthews. Childhood Obesity P3. Pathways to Partnerships (P3), Penn State, College of Medicine.
- Stephen A Matthews (PI) and Shannon Zenk. "Activity Space Environments and Obesity: A Pilot Study to Demonstrate Feasibility and Method Refinement." SSRI Level II award, Penn State. \$20,894. Awarded Oct 2012.
- Shannon Zenk (University of Illinois at Chicago), Stephen A. Matthews and Angela M. Odoms-Young "Activity space segregation and access to health resources" UIC Institute for Research on Race and Public Policy. Awarded Dec 2012.
- Dennis Kao (University of Houston's Graduate College of Social Work) "Using geo-ethnography to explore the spatial accessibility of health services for aging minorities." Hartford Faculty Scholars Program/GSA. 2012-2013.
- Stephen A. Matthews (PI) "Advanced Spatial Analysis Training Program for Population Scientists" (with Donald Janelle and Michael Goodchild (both UC Santa Barbara)). National Institute of Child Health and Human Development (NICHD) Awarded June 4, 2008. Total Directs: \$816,283. No cost extension 2013-2014. (URL: <http://www.gispopsoci.org/>)
- Jane Cauley (PI) at the University of Pittsburgh; Ro1 'National Children's Study – Westmoreland County, PA' and "National Children's Study – Westmoreland County, PA: Hi-Lo Recruitment Study" Awarded by National Institute of Child Health and Human Development (NICHD) Sept 2007 – August 2012. Role: PI on Penn State subcontract; coordinating all geocoding, contextual databases, and segmentation selection.
- Jim W. Wood (PI), Patricia L. Johnson, Timothy Murtha, Stephen A. Matthews. "Spatiotemporal Dimensions of Population Change in the Northern Orkney Islands, c. 1735-2000. Total Directs: \$370,443 from National Science Foundation Human Social Dynamics, for 2005-2010. No cost through Fall 2011.
- Kevin Patrick (UC San Diego) Ro1 'PALMS: A Tool for Geospatial Analysis and Physical Activity.' 1U01CA130771-01 (08/10/07 – 07/31-2011). National Cancer Institute.
- Dan Kifer (PI), Stephen A. Matthews and Tse-Chuan Yang. "Geographically weighted regression over imprecise data: tools for analysis and privacy preservation." Pilot funds from Institute for CyberScience (ICS) and Social Science Research Institute (SSRI). Award \$30,000. Dec 3, 2010.
- Shannon Zenk (University of Illinois at Chicago) "Environmental Measure Development for a National Sample using GIS: A Pilot Study." College of Nursing Internal Research Support Program, University of Illinois at Chicago. 2011.
- Stephen A. Matthews (PI) "Obesogenic environments – exploring the mediating role of local food price and availability on diet." SSRI Level II, Penn State for 2009-2010. \$21,977. (no cost extension)
- Beth Reboussin (Wake Forest University) Ro1 'Clustering of underage alcohol use in communities and its contextual influences.' 1R01AA016806-01A1 (28/09/07 – 08/31/10). National Institute on Alcohol Abuse and Alcoholism. Role: consultant.
- Kevin Patrick (UC San Diego) Supplemental award from National Institute of Environmental Health Sciences under their GEI Exposure Biology Program for collaborative proposals for "Three G's workshop: GEI, GPS and GIS" (Gene-Environment Interactions, Global Positioning Systems, and Geographic Information Systems). Role: workshop co-chair.
- Shannon Zenk (University of Illinois at Chicago) 'Measurement of Activity Space and Health Behaviors in African-American and White Adults: A Pilot Study' The Center for Reducing Risks in Vulnerable Populations at UIC College of Nursing. Role: consultant.
- Angela Odoms (School of Nursing and Health Studies, Northern Illinois University) "The Relationship Between Perceived and Objective Food Environments, Dietary Intake, and Weight Status in Latino Families." Robert Wood Johnson Foundation Health Eating Research (HER) Program. Role: consultant.
- Shannon Zenk (University of Illinois at Chicago) Ko1 'Active Space Environments, Behaviors, and Body Weight Status in Urban Areas' National Institute of Nursing Research. 1K01NR010540-01 (09/28/07-05/31/10). Role: Mentor.
- Collins Airhihenbuwa (PI), Michael Adewumi, Petra Tschakert, Stephen A. Matthews, Zhengmin Qian "Global Health and Georesource Management in Africa." Total Directs: \$184,681 from Fogarty International Center/NIH 09/2006 – 08/2009.

- Tse-chuan Yang (PI), Murali Haran, Stephen A. Matthews. "Developing a non-Gaussian spatiotemporal analysis tool for handling missing data: an application to cancer research." SSRI Level II, Penn State. Awarded August 5, 2008. \$14,966.
- Stephen A. Matthews (PI on PSU collaboration with Dr. Sean Reardon, Stanford University) Measuring Spatial Segregation. National Science Foundation Awarded \$74,641 (Total Directs: at PSU) for 2005-2008.
- Stephen A. Matthews (PI), Barrett Lee, and Glenn Firebaugh. A Feasibility Study for Incorporating Topographical and Hydrological Data to Identify Exogenous Variation in Residential Race/Ethnic and Income Segregation. SSRI Level II/PRI Penn State Awarded Oct 17, 2007. \$15,304.
- Stephen A. Matthews. The effect of neighborhood environments on health among the urban elderly. Pilot grant awarded Fall 2007 Center on Population Health and Aging, Penn State.
- Ken Hirth (PI) "GIS database and spatial analysis of the Basin of Mexico." National Science Foundation (June 2006) – Role: Investigator. \$156,000 awarded June 2006 - June 2008.
- Stephen A. Matthews (PI) "The Community Health Data Base: A Resource for Penn State Researchers and Educators." SSRI Level II, Penn State Awarded May 10, 2006. \$20,000.
- Stephen A. Matthews (PI) National Science Foundation (NSF) Sociology Dissertation Improvement Grant for Bina Gubhaju (Sociology) "Women's Choice of Contraception: Who Decides? Awarded for 2004-2005: \$7,500.
- Stephen A. Matthews (PI) R25 GIS and Population Science Training Grant from National Institute of Child Health and Human Development (NICHD). Awarded \$450,000 for 2004-2007. Co-PIs: Michael Goodchild and Don Janelle at the Center for Spatially Integrated Social Science (CSISS) UC Santa Barbara.
- Linda M. Burton (PI), Stephen A. Matthews (co-PI) and Debra Skinner (co-PI at UNC-Chapel Hill). "Resource Allocation in Urban and Rural Communities" plus supplement National Science Foundation Awarded \$376,509 for 2004-2007.
- Martha Cox, Lynne Vernon-Feagans (UNC-Chapel Hill) and Nan Crouter (Penn State) all PIs on "Children and Rural Poverty (Family Life Project)." National Institute of Child Health and Human Development (NICHD) Initially funded 2002 through 2007. Role: coordinated GIS activities including contextual dataset construction.
- Ann Fisher (PI) "Consortium for Atlantic Regional Assessment (CARA)." This multi-site project was funded by Environmental Protection Agency, 2002 through 2005. Role: I served on the Land Center component and as a member of the CARA "Data" team.
- William Axinn (PI) "Reciprocal Relations Between Population and Environment" \$3,421,286 from the National Institute of Child Health and Human Development (NICHD)/ National Institute of Environmental Health Science for the period July 2000- June 2005. Role: Consultant and responsible for all GIS components based on secondary and primary geocoded data associated with the project. Total Penn State Directs: \$22,631.
- Wilbur Zelinsky and Stephen A. Matthews "The Place of Religion in the Metropolis" funded by the National Endowment for the Humanities (NEH) 2002 through 2004 (no cost extension through May 2005). Total Directs: \$56,739.
- Stephen A. Matthews (PI) Center for Spatially Integrated Social Science (CSISS) Workshop grant \$10,000 for Population Science and GIS. May 2003.
- Norman Oliver (University of Virginia) K07 Cancer Prevention, Control, and Population Sciences Career Development Award: Role: mentor for Dr. Norman Oliver (Awarded for 2003-2007), Departments of Family Medicine, Health Evaluation Sciences, and Anthropology; Director, UVA Center for Improving Minority Health University of Virginia.
- David DiBiase (PI at Penn State) "Geo-referenced Digital Libraries in Support of Innovative Approaches to Teaching and Learning in Geography" in response to the Joint Information Systems (JISC-UK) and National Science Foundation (NSF-USA) "Digital Libraries and the Classroom" initiative. Funded through 2005. Role: Part of the Penn State team. The project includes additional collaborators at the University of Leeds and the University of Southampton in the UK and the University of California, Santa Barbara (UCSB). Total Penn State Directs: \$310,327.
- Stephen A. Matthews (PI) on small grant to "Leverage Nepal DHS with GIS" funded through USAID/Macro International \$50,000.
- Linda Burton (PI) et al "Three-city Study of Welfare Reform and the Well-being of Children" (other PIs included Ron Angel, Andrew Cherlin, Robin Jarrett, Lindsay Chase-Lansdale, Robert Moffitt and William Julius Wilson). Funding from multiple agencies/foundations. Role: research scientists on the ethnographic component, responsible for all GIS components based on secondary and primary geocoded data associated with the project, and the integration of ethnographic field notes and GIS.

SERVICE TO THE PROFESSION

Journal Editorial Service

Current

Editor	<i>Spatial Demography</i> (2019 - present)
Associate Editor	<i>Discover Social Science and Health</i> (2021 – present)
Editorial Board	<i>Geographies</i> (2020-present)

Past

Co-Editor	<i>Demography</i> (May 1, 2016 – April 30, 2019); Also, Deputy Editor (Jan 1, 2016 – April 30, 2016) <i>Mathematical Population Studies</i> (2020- 2023) <i>Spatial Demography</i> (July 1, 2018 – April 30, 2019)
Associate Editor	<i>Demographic Research</i> (2012 – 2016)
Editorial Boards	<i>American Journal of Preventive Medicine</i> (2005 – 2015) <i>Demography</i> (2010 – 2016) <i>GeoJournal</i> (2011 – 2015) <i>Health & Place</i> Editorial Board (1994 – 2004) Book Review Editor (1994 – 1998) <i>Spatial Demography</i> (2011 – 2015) Associate Editor (2011-2015) Book Review Editor (2011-2015)
Book Series Editor	<i>Spatial Demography Book Series</i> —Springer (2019-present)

Guest Editor

<i>Journal of Geography in Higher Education</i> (1995) “Teaching Medical Geography” 19 (3) (w/Mark Rosenberg)	
<i>Geoforum</i> (1995) “Geographies of Women’s Health” 26 (3)	
<i>American Journal of Preventive Medicine</i> (2012) “GIS and Childhood Obesity” (w/ Celeste Torio) Video introduction: http://www.scivee.tv/node/57849	
<i>Demographic Research</i> (2013) Special Collection on “Spatial Demography” http://www.demographic-research.org/special/13/default.htm	
<i>The American Academy of Political & Social Science</i> (July, 2015) “Residential Inequality in American Neighborhoods and Communities” (w/ Barrett A. Lee, Glenn Firebaugh and John Iceland).	
<i>Mathematical Population Studies</i> (2019-2020) Coordinating a special issue on methods and applications in spatial demography	
<i>Russell Sage Foundation Journal of the Social Science</i> (2020-2023) "Suburban Inequality in the United States." (w/ R. L'Heureux Lewis-McCoy (NYU) and Natasha Warikoo (Tufts University). Appeared in Volume/Issue 9(1) & 9(2) 2023.	

Reviewing for Journals

Reviewer for the following **100** journals across a wide variety of disciplines

Demography, Sociology and other Social Science

<i>American Journal of Education</i>	<i>American Journal of Sociology</i>	<i>American Sociological Review</i>
<i>Asian Population Journal</i>	<i>City & Community</i>	<i>Criminal Justice Quarterly</i>
<i>Demography</i>	<i>Demographic Research</i>	<i>Economics & Human Biology</i>
<i>Environment and Behavior</i>	<i>Environmental Research</i>	<i>Field Methods</i>
<i>Housing & Society</i>	<i>J. Non-Profit & Public Sector Mkt</i>	<i>J. of Mixed Method Research</i>
<i>Journal of Quantitative Criminology</i>	<i>J. of Res. in Crime & Delinquency</i>	<i>Journal of Urban Affairs</i>
<i>Policy Analysis & Management</i>	<i>Population Res. & Policy Review</i>	<i>Population and Environment</i>
<i>Population Studies</i>	<i>Rural Sociology</i>	<i>Social Currents</i>
<i>Social Forces</i>	<i>Social Problems</i>	<i>Social Science Research</i>
<i>Sociological Forum</i>	<i>Sociological Methodology</i>	<i>Sociological Quarterly</i>
<i>Spatial Demography</i>	<i>Urban Studies</i>	

Geography, GIS and Spatial Analysis

<i>Annals, AAG</i>	<i>Annals, GIS</i>	<i>Applied Geography</i>
<i>Area</i>	<i>Cartographic Perspectives</i>	<i>Cartographica</i>
<i>Computers, Environ & Urban Systems</i>	<i>The Canadian Geographer</i>	<i>Earth System Science Data,</i>
<i>Economic Geography</i>	<i>Environment & Planning A</i>	<i>E&P B: Planning & Design</i>
<i>E&P D: Society & Space</i>	<i>Geoforum (2)</i>	<i>Geographical Analysis</i>
<i>GeoJournal</i>	<i>Historical Geography</i>	<i>Int. J. of GIS</i>
<i>ISPRS Int. J of Geo-Information</i>	<i>Int. J. of Health Geographics</i>	<i>J. of Geography & Higher Education</i>
<i>Journal of Regional Science</i>	<i>Progress in Human Geography</i>	<i>Spatial Economic Analysis</i>
<i>Spatial Statistics</i>	<i>Tijdschrift v. Econ en Soc Geografie</i>	<i>Transactions in GIS</i>
<i>Transactions, Inst. of British Geographers</i>		

Medical Sciences & Public Health

<i>Addictive Behaviors</i>	<i>AIDS and Behavior</i>	<i>AIMs Public Health</i>
<i>American Journal of Clinical Nutrition</i>	<i>Am. J. of Preventive Medicine</i>	<i>American Journal of Public Health</i>
<i>Annals of Behavioral Medicine</i>	<i>Applied Clinical Infomatics</i>	<i>BMC Health Services Research</i>
<i>Cities and Health</i>	<i>Environ. Monitoring & Assessment</i>	<i>Environmental Health Insights</i>
<i>Food Security</i>	<i>Health Affairs</i>	<i>Health and Place</i>
<i>Health Promotion International</i>	<i>Int. J. of Circumpolar Health</i>	<i>Int. J. Environ. Res. & Pub. Health</i>
<i>Int. J. of Infectious Disease</i>	<i>Int. Q. of Comm. Health Educ.</i>	<i>JMIR Pediatrics and Parenting</i>
<i>Journal of Healthcare Engineering</i>	<i>J. Health Care Poor & Underserved</i>	<i>J. of Gerontology: Social Sciences</i>
<i>J. of Gerontology: Psychol. Sci.</i>	<i>J. of Health & Social Behavior</i>	<i>J. of Physical Activity and Health</i>
<i>Journal Royal Society: Interface</i>	<i>Journal of Rural Health</i>	<i>Journal of Urban Health</i>
<i>PLoS ONE (Public Library of Sci.)</i>	<i>Preventing Chronic Disease</i>	<i>Preventive Medicine</i>
<i>Proc. Nat. Acad. of Sciences (PNAS)</i>	<i>Promotion & Education</i>	<i>Research on Aging</i>
<i>Risk Analysis</i>	<i>Sexual & Reproductive Healthcare</i>	<i>Social Science and Medicine</i>
<i>The Lancet-Planetary Health</i>		

Reviewing for Publishing Houses

- 2021: Reviewed book proposal for Taylor & Francis/CRC on *Introduction to Spatial Data Analysis in the Social Sciences* and for Agenda Publishing, UK on *Global Health: Geographical Connections*
- 2017: Reviewed book proposal for Routledge.
- 2015: Reviewed book manuscript for Open Book Publishers.
Reviewed book proposal for Columbia University Press.
Reviewed map designs for SAGE for a GIS interactive website accompanying Sociology texts.
- 2014: Book jacket endorsement of *Social-Spatial Segregation: Concepts, Processes and Outcomes* (Edited by C.J. Lloyd, I.G. Shuttleworth, and D.W.S. Wong) Policy Press, Bristol, UK.
- 2012: Reviewed textbook proposal on *Applied GIS for Social Scientists*. Sage Publications.
- 2011: Reviewed manuscript for *Crime Modeling and Mapping Using Geospatial Technologies* (Springer's Series on *Geotechnologies and the Environment*). And the R&R in 2012.
Reviewed manuscript for Guilford Publications Inc. on *GIS and Public Health: Second Edition* (endorsement on book jacket cover)
- 2010: Advisory Editor (2010 - 2011) *Oxford Bibliographies Online – Sociology* (edited by Jeff Manza and Patrick Barb) Oxford University Press.
- 2009: Reviewed manuscript for Rowman and Littlefield on *Population Geography*.
Reviewed manuscript for Cambridge University Press on *Spatial Analysis for Social Sciences*
- 2008: Reviewed chapter for a Sage Publication book on *Qualitative GIS: Mixed Methods in Practice and Theory*, Edited by Sarah Elwood and Meghan Cope.
- 2007: Reviewed book proposal for Rowman and Littlefield on *Population Geography*
- 2006: Reviewed book proposal, Cambridge Uni. Press on *Spatial Analysis for the Social Sciences*

Pre-2006

- 2005: Reviewed book proposal for Guilford Press on *GIS and Public Health, Revised Edition*
- 2003: Reviewed manuscript for The Urban Institute on *The Gay and Lesbian Atlas*.
- 2001: Reviewed book proposal for Blackwell Publishers (UK) on *Global Positioning Systems: A Social Science Field Guide*.
Reviewed revised manuscript for Guilford Publications Inc. on *GIS and Public Health* (endorsement on book jacket cover)
- 2000: Reviewed manuscript for Guilford Publications Inc. on *GIS and Public Health*.
- 1998: Reviewed manuscript for Rowman Littlefield on *Migration Studies and Economic Restructuring* (endorsement on book jacket cover)
Reviewed manuscript for Guilford Publications Inc. on *Medical Geography*.
- 1997: Reviewed manuscripts for the *Sixth International Applied Demography Conference Proceedings* edited by K.V. Rao.
Reviewed book proposal for Edward Arnold on *Population Health*.
- 1996: Reviewer of the *Encyclopedia of Life Support Systems*
- 1994: Reviewed book proposal for Routledge on *Geographical Information Systems*. (endorsement on book jacket cover).
Reviewed chapters on 'GIS' and 'GPS' for Prentice Hall in a selection of introductory 'Physical Geography' texts and contributed to Prof. T. McKnight (1994) *Introduction to Physical Geography* Prentice Hall.

Reviewing for Funding Agencies

National Institute of Health (NIH) Reviewer

STUDY SECTION: *Social Sciences and Population Studies A (SSPA)* – standing member of study section (three meetings per annum Sept/Oct, Jan/Feb and May/June) 4-year term: July 2012 – June 2016)

Transformative Research Award (TRA) initiative (Feb 2014)

Social Environment Working Group member for the PhenX program (for "consensus measures for phenotypes and exposures"), National Human Genome Research Institute, NIH (2010-2011)

NICHD Special Member Conflict Panel (Nov 2005)

Kidney, Nutrition, Obesity, and Diabetes Epidemiology (KNOD) Panel (Nov 2005)

NICHD R24/R21 Population Infrastructure Panel (April, 2005 and April, 2007)

NICHD Infrastructure for Data Sharing and Archiving Panel (April, 2004)

NIEHS R21 Health, Environment and Economic Development Panel (April, 2003)

National Cancer Institute, Cancer and GIS Panel (SNEM-2), 2001 (Nov 2001).

STUDY SECTION: SNEM-1 (Social Sciences, Nursing, Epidemiology and Methods Integrated Review Group, renamed Community Level Health Promotion (CLHP) in 2003), 4-year term: 2000 – 2004.

CLHP was re-formed in 2004 as Community Influences on Health Behavior (CIHB), term of service: 2004 - 2007. The CIHB panel met three times per annum (usually Feb, June and Oct).

Also served on a CLHP Special Member Conflict Panels in July 2003 and Mar 2004.

SBIR (Small Business Innovation Research Review)/ SNEM-4 (Nov 2000).

NICHD P50 center grant (August 2000).

National Science Foundation (NSF)

Geography and Regional Science Division, 1992, 1993, 1999, and 2000 (2)

Geography and Spatial Science 2010, 2014, 2015, 2017

Methodology, Measurement, and Statistics (MMS) Program, 2013

Sociology Division, 2009, 2015

Other Agencies and Foundations

British Academy

British Academy International Partnership and Mobility Scheme (e-GAP2), 2012.

Canadian Tobacco Control Research Initiative (CTCRI), 2004.

Czech Science Foundation 2014, 2020, 2021 (x2)

Economic and Social Research Council (UK), 2021.

European Research Council (European Union) 2014.

Guggenheim Memorial Foundation 2015-2016.

International Council for Social Science

Leading Integrated Research for Agenda 2030 in Africa (LIRA 2030 Africa) 2016-2017.

Netherlands Organisation for Scientific Research. 2017.

Riksbankens Jubileumsfond (RJ), *The Swedish Foundation for the Humanities and Social Sciences*. 2016, 2019.

Social Sciences and Humanities Research Council of Canada (SSHRC)

1993, 1995, 1998, 2000, and 2002 (including in 2002 the Major Collaborative Research Initiatives (MCRI)).

Service to Sociology & Demography

Population Association of America:

Task-Force on Information Technology and Information Dissemination (1994-97); Session organizer (1996, 2010, 2017, 2021); GIS Workshop Organizer 1998-2003); PAA Program Organizing Committee (2012 San Francisco; 2014 Boston, MA; 2022 Atlanta, GA); *Demography* editorial board (2010-2016), Deputy Editor (2016), and Co-Editor (2016-2019); PAA Memorial Committee (2019-2021); and the Clifford Clogg Award Committee (2022-2023).

International Union for the Scientific Study of Populations:

Chair, Scientific Panel on Spatial Demography (2014-2017) and Member (2018-present); Session Coordinator Spatial Demography sessions for the 2017 IUSSP Cape Town meeting; Reviewer for the 2021 IUSSP meetings, Session Coordinator Spatial Demography sessions for the 2025 IUSSP Brisbane meeting.

Tenure & Promotion External Evaluations of promotion to Associate and to Full Professor (institution redacted) – 2012, 2013 (x3), 2014 (x2), 2015, 2016 (x3), 2017, 2019, 2020 (x3), 2021 (x4), 2022 (x2), 2024.

Faculty Nominations for Institute, National and International Awards external (institutions redacted) – 2011, 2014, 2015, 2018,

Pennsylvania Nutrition Education Network, member of “Research Committee” 2004-2007
Appalachian Cancer Network (CAN) Health Services Research Task Force Member, 2001-2002
Member of the Working Group on “MEASURE+GIS” coordinated by Macro International, USAID and other DHS partners. 2000-2004
Member of the United Nations Global Population Information Network (POPIN) Information Technology Working Group and the Advisory Committee, 1995-1997
PRI representative to the Association of Public Data Users, 1994-2000

Service to Geography

Association of American Geographers (AAG)

AAG Medical Geography Specialty Group (MGSG)

Chair 1996-1998; Board Member, 1992-1996 (ex-officio, 1998-2001); *MGSG Newsletter* Editor and website manager, 1998-2001; Compiler of the Medical Bibliography *MGSG Newsletter*, 1990-1993; Jacques May Thesis Prize reviewer for the MGSG, 1992-1993, 1996-1997.

AAG Census Advisory Committee

Chair 1996-1997; Board Member, 1995-97.

AAG representative to the Council of Professional Associations on Federal Statistics, 1994-97.

AAG Glenda Laws Award Committee, 2000-2007.

Other Service

Reviewer for the National Research Council, Committee on the Human Dimensions of Global Change, 1997.

Reviewed documents for MARA on their Mid-Atlantic Regional Assessment, 1998-99.

Reviewer of three chapters (LULC, demographic & social change, data sources) for the Bulgarian-American Workshop on Global Climate Change, US-NSF and Bulgarian Academy of Sciences, Bulgaria, 1997.

Reviewer of proposals sent to Earthwatch, 1996.

Reviewed “Medical Geography” chapter that appeared in Gary Gaile and Cort Willmott (eds.) *Geography in America at the Dawn of the 21st Century*, 1999.

Organizing Conferences (post 2005)

- 2020-1** IUSSP Program Reviewer (Applied Demography, Neighborhoods & Health, Urban Demography, Spatial Demography, Spatial Methods), for the Hyderabad, India (Dec 5-10, 2021). Session Chair, Dec 10, 2021 (online/virtual conference).
- 2021** Applied Demography Conference (PAA), Program Committee, Feb 2-4, 2021
- 2020** Population Association of America co-session organizer on the topic area of Spatial Demography (with Monica Alexander), PAA Meetings, Washington DC, 2020.
- 2017** IUSSP Program Committee. Focus on 'Spatial Demography', IUSSP Meetings, Cape Town, South Africa, Oct-Nov, 2017.
- Population Association of America subcommittee on the topics area of (a) Advances in Mathematical, Spatial and Small Area Demography and (b) Innovative Methods and Data in Segregation Research. PAA Meetings, Chicago 2017.
- 2015** Childhood Obesity Research Summit, Organizers: Ian Paul, Kateryna D. Makova and Stephen Matthews. Penn State, Oct 16, 2015,
- Migration, Urbanisation and Health in Southern Africa. The University of the Witwatersrand, Johannesburg, South Africa: Organizers: Jo Vearey, Stephen Matthews, Tollullah Oni, and Jo Hunter Adams. July 27-29, 2015.
<http://migrationurbanisationhealth.tumblr.com>
- Penn State Symposium on Health and Environmental Interactions. Conference Steering Committee, led by Brian King, Geography). Mar 26-28, 2015, University Park, PA.
- 2014** Residential Inequality in American Neighborhoods and Communities (Penn State Stratification Conference). Organizers: Barrett A. Lee, Glenn Firebaugh and John Iceland and Stephen A. Matthews. Sept 12-13, 2014, University Park, PA.
- Population Association of America (PAA Program Committee – subcommittee on the topic area of Population, Development, and Environment. PAA Meetings, Boston 2014.
- 2012** Population Association of America (PAA) Program Committee – subcommittee for the topic area of Data and Methods. PAA Meetings May 3-5, 2012, San Francisco, CA.
- 2011** Future Directions in Spatial Demography. Organizers: Stephen Matthews (Penn State), Michael Goodchild (UCSB), Donald Janelle (UCSB). 12-13 Dec, 2011 Upham Hotel, Santa Barbara.
- 2009** Expanding the Boundaries of Place. National Cancer Institute Workshop. Organizers: David Takeuchi (Washington), Susan Kemp (Washington), Linda Burton (Duke) and Stephen Matthews (Penn State). Dates: 7-9 May 2009, University of Washington, Seattle, WA.
- Three G's: Gene-environment interactions, GPS and GIS. (A NIEHS GEI and Exposure Biology Conference). Organizers: Jacqueline Kerr (UCSD, Stephen Matthews (Penn State), and Kevin Patrick (UCSD), Dates: Feb 20-22, 2009, San Diego, CA.

Organizing GIS/Spatial Analysis Workshops post 2005

The 5-day workshops (2008-2011) below were supported by the R25 Award from NICHD.

*Spatial Econometrics, State College, PA (June 19--June 24, 2011), *Multilevel Modeling, Santa Barbara, CA (July 10-July 15 2011), *Geographically Weighted Regression, Santa Barbara, CA (July 1-July 6, 2010), *Spatial Pattern Analysis, Santa Barbara, CA (July 13-July18, 2010), *Spatial and Multilevel Modeling, State College, PA (May 31-June 6, 2009), *Spatial Econometrics, Santa Barbara, CA (July 2009), *Geographically Weighted Regression, State College, PA (June 1-June 6, 2008), *Spatial Pattern Analysis, Santa Barbara, CA (July 13-July18, 2008), GIS for Population Scientists. State College, PA. (June 4- June 16, 2006), GIS for Population Scientists, Santa Barbara, CA (July 9- July 20, 2006)

Conference Presentations, Invited Talks, etc.

These are listed between pages 34-41 of the CV

SERVICE TO THE UNIVERSITY

The Pennsylvania State University

University

- 2020 - 2022 Mid-Career Faculty Advancement Program (MFAP), mentor
- 2019 - 2023 Perreault Fellows Program/Global Leadership & Internship Program, Liberal Arts representative
- 2017 - 2018 Enhancing Health Subcommittee (Working Group 2) “Enhancing Education and Student Engagement in the Area of Vulnerable Populations and Health Equity.”
- 2016 - 2019 Enhancing Health Steering Committee, Penn State University’s Strategic Plan
- 2004 Represented the University at Worldwide University Network-Data Grid and Social Science meetings (New York, Fall 2004)
- 2001 - 2004 Inaugural Chair of the University’s Geospatial Information Systems (GIS) Council
- 2001 - 2009 Member of the University’s GIS Council

Penn State’s Graduate School

- 2021-2022 Search Committee, Vice Provost for Graduate Education and Dean of the Graduate School, member
- 2020-2022 College of the Liberal Arts representative to the Graduate Council
Graduate Council – Committee on Academic Standards
2021 Ad hoc committee on Graduate Faculty Status
- 2016-2023 Annual Graduate Exhibition events, judge 2016, 2017, 2021, 2022
- 2015 Search Committee, Senior Associate Dean of the Graduate School, member

Social Science Research Institute

- 2019 - 2020 Representative on the Uber committee on the cross-university faculty hires for appointment with the Penn State Consortium to Combat Substance Abuse
- 2008 Social Network Research Group – member
- 2007 Visioning Group: Methods – member
- 2001 - 2010 Executive Committee (Service Core Directors) – member
- 2001 - 2009 Representative on the University’s Geospatial Information Systems (GIS) Council

Population Research Institute Committees

- 2015 - 2023 Computational and Spatial Analysis Core, Internal Advisory Board member
- 2015 - 2016 PRI Director, Search Committee
- 2009 - 2010 PRI Advisory Committee, member representing Anthropology
- 1994 - 2010; PRI Executive Committees, member
& 2013-
- 1994 - 1997 Joint Committees of the Information and Computer Cores, co-chair

College of the Liberal Arts

- 2020 - 2023 Faculty Mentor in the Midcareer Faculty Advancement Program (MFAP)
- 2010 - 2011 Future Funded Faculty (F³) faculty mentor program, faculty mentor
& 2013-2023

Department of Sociology

2021 – 2022	Annual De Jong Lecture in Social Demography Committee, Chair.
2018 - 2019	Recruitment Committee Chair – Applied Demography (Director)
2016 - 2017	Graduate Placement Committee, Chair
2015 - 2023	Faculty Director, MPS in Applied Demography Search Committee, Chair
2014 - 2023	World Campus Committee – chair (2014-2016), coordinator responsible for the development of a Professional Masters Program in Applied Demography (2014-2016, 2018-2023)
2013 - 2015	Stratification Conference Organizing Committee – member
2012 - 2019	Graduate Committee – member
2010 - 2023	P&T Committee – member
2010 - 2013	Departmental Advisory Committee – member
2010 - 2011	Recruitment Committee – Demography search – member
2008 - 2011	Information Technology Committee – member
2008 - 2010	Under Represented Minority Committee – member
2006 - 2011	Quantitative Methods Committee – member
2006 - 2007	Recruitment Committee – Senior Demographer search – member
2005 - 2007	MOST Committee – member of the committee and chair of sub-committee on Web Issues

Department of Anthropology

2021-2022	P&T Committee member
2014-2019	P&T Committee member
2014-2015	Human Ecology Search Committee - member
2010-2011	Spatial Working Group
2008-2010	Representative to the PRI Advisory Board
2005-2008	Search Committee, GIS/spatial analyst search (each year) – member
2005-2007	Computer Committee – member (Chair 2006-2007)

Department of Geography

2019-2020	Search Committee, Addiction and Health position for SSRI/CCSA co-fund faculty line
2014-2015	Search Committee, Africa/Health/Environment position (co-hire, African Studies)
	<u>Masters in GIS Programs</u>
2005-2023	Member of the advisory board to the Masters in GIS (MGIS) program at Penn State.

Department of Rural Sociology

2014	Search Committee, GIA Core Director and Assistant/Associate Prof of Rural Sociology
------	---

Center for Population Health and Aging

2008	CPHA Pilot Proposal Review
2007	CPHA Pilot Proposal Review Panel – Chair

Global Health Network

2014-2016	Faculty Implementation Committee (pilot projects, priorities & engagement)
-----------	--

Childhood Obesity Prevention Training Program (COPT), USDA

2015 Reviewer of seed funding/pilot grants.

Other Committees/Groups

2004-2007 Advisory Committee on Dr. Gary King (BBH) Pennsylvania State University Minority
Health and Health Disparities International Research Training Program
1999 Library Committee, Department of Geography
1996 Glenda Laws Memorial Fund, Department of Geography - member
1994-1999 ESRI Site License/Pattee Library and Campus GIS initiatives – member

Staff Management at Penn State

The following non-tenure track faculty/instructors have worked under me at the Department of Sociology & Criminology as part of the Graduate Programs in Applied Demography

Dr. Nicolas Sacco
Dr. Alexis Santos

The following staff have worked under me at PRI/SSRI in the

Computer Core (1994-1997)

Lynne Ackerman, David Barr, Nancy Brock-Friedland, Joe Broniszewski, Lisa Broniszewski, Ron Crandall, Nikos George, Steve Herwald, Cynthia Mitchell, Jeanne Spicer, and Mike Zimmerman.

GIA Core (1996-2012)
*(Demography Graduate Student *)*

Yosef Bodovsky, Jim Detwiler, Tina Enderlein, Steve Graham, Brian McManus, Daniel Meehan, Michelle Zeiders ... as well as numerous graduate students assigned to the GIA Core: David Ader,* Prem Bhandari,* Melora Brock, Frances Burden, Christian Calienes, Jim Cameron, Mitsuko Chikasada, Terry Dockery, Rodrigo Salcedo Du Bois,* Matthew Funk, Karen Hayslett-McCall, Eric Jensen,* Shujie Li, Matthew Marlay,* Peter Mateyka, Tom Owour, Carla Shoff,* Sundar Shrestha,* Richard Simon, Jason Smith, Michael Stout, Nathan Walters, Craig Williams, Tse-Chuan Yang,* Jason Yarrington, and Xiaohua (Shohua) Yu.

Research Assistants (2000-2022)
*(Demography Graduate Student *)*

Beatrice Abiero,* Rachel Bacon,* Johanna Yngvason Bissat,* Nyesha Black,* Jack Byerly,* Megan Evans,* Alistair Geddes, Bina Gubhaju,* Maggie Houchen,* Ellis Logan,* Matthew Marlay,* Claudia Nau,* Daniel Parker,* Luis Sanchez,* Carla Shoff,* Richard Simon, Jenny Smith Mason, Laura Stiberman,* Winston Tripp, and Robby Zuchowski*

Service - University of Illinois at Chicago

2013-2015 Search Committee, Visiting Research Specialist-College of Nursing.

Service - University of California Los Angeles

Department Committees

1993-1994 Computer Committee - chair.
 Faculty Search Committee (human geography search, 1992-93).
 Graduate Affairs Committee.
 1992-1994 NSF Instrumentation and Laboratory Improvement Committee.
 1991-1992 Library and Instructional Development Committee.

Ad hoc Committees

1992-1994 UCLA AIDS Institute: affiliated faculty.
 1992-1994 UCLA Consortium on Global Change: affiliated faculty.
 1991-1994 Committee on GIS for the Lewis Center.
 1991 Database/ GIS in the Los Angeles Basin Committee.

Service to the Community

State College Borough - Board of Health, committee member (1995 - 2002), including serving as chair (1998 -2002)

State College Area High School Maring Band, chaperone and equipment assistant (2014-2018)

Professional Affiliations

Active

International Union for the Scientific Study of Populations Chair, Scientific Panel on Spatial Demography (2014-2017) and Member (2018-present); Session Coordinator Spatial Demography sessions for the 2017 IUSSP Cape Town meeting; Reviewer for the 2021 IUSSP meetings; Session Coordinator Spatial Demography sessions for the 2025 IUSSP Brisbane meeting.

Population Association of America Task-Force on Information Technology and Information Dissemination (1994-97); Session organizer (1996, 2010, 2017, 2021); GIS Workshop Organizer 1998-2003); PAA Program Organizing Committee (2012 San Francisco; 2014 Boston, MA; 2022 Atlanta, GA); *Demography* editorial board (2010-2016), Deputy Editor (2016), and Co-Editor (2016-2019); PAA Memorial Committee (2019-2021); and the Clifford Clogg Award Committee (2022-2023).

Intermittently Active

Association of American Geographers at various times during the 1990s-2000s I was a member of the following specialty groups: Health and Medical Geography, Geographic Perspectives on Women, Quantitative and Mathematical Models/Spatial Analysis and Models, Geographic Information Systems (GIScience and Systems), Population, Human Dimensions of Global Change, and Geographic Education.

American Anthropology Association
American Sociological Association

Royal Geographical Society and the Institute of British Geographers at various times mostly in 1980s-early 1990s I was a member of Quantitative Methods, Health and Health Care Geography, Geography and Women, Population Geography, and the Urban Geography Study Groups.

TEACHING & MENTORING

Teaching Interests

Substantive:

Health, Disease, Society
Social Demography
Urban/Spatial Inequality

Methodological

Geographic Information Systems
Spatial Analysis

Courses Taught

The Pennsylvania State University (1994 - present)

Graduate

Demography 590.1: Demography Colloquium (Professional Development Seminar, MA)
Demography 590.2: Demography Colloquium (Professional Development Seminar, PhD)

Sociology 579/Anthropology 579: Spatial Demography

Sociology 501: Pro-Seminar section on “Making a Space for Theory and Measurement in Neighborhood Research”

Multiple invited lectures to Dual-Title Demography Program on: GIS and Computer Cartography, Internet Resources, Computer Programming, Privacy and GIS, etc.

Multiple guest lectures in graduate seminars in the following eight departments/programs in Demography, Anthropology, Biobehavioral Health, Geography, Human Development and Family Studies, Nutrition, Rural Sociology, Sociology

Presenter in the Worldwide Universities Network seminar on *Horizons in Human Geography*

Masters (MPS) in Applied Demography

Fall 2014 -Spring 2016: Developed course outlines for four courses for both the Certificate and Professional Masters in Applied Demography; reviewed others.

Fall 2018-Spring 2019: Authored APDEM 802 Data, GIS and Applied Demography

Spring 2019: Authored APDEM 808 Capstone Project

Undergraduate

Sociology

Social Demography (SOC 423)

Developed the following three courses and formalized their introduction to Sociology programs
Population Health: The Geography of Life and Death (Sociology 211Z) – new General Education (GEN-ED) linked course for incoming Freshmen – launched Fall 2018.

Spatial Inequality (Sociology 497X, now Sociology 452)

Health, Disease, and Society/Medical Sociology (Sociology 497B/D, revised as Sociology 451)

Geography

Spatial Analysis I: Introduction to Quantitative Methods (taught in Geography)

Spatial Analysis II: Quantitative Geography (taught in Geography)

CAUSE Course: Health, Economy and Environment (with Dr. A. Glasmeier, Geography)

Others

Several guest lectures in lower division Geography courses and in Demographic techniques courses.

Miscellaneous

I regularly review course proposals through Penn State's Curriculum Review and Consultation System (12+ reviews per annum – 2014-present).

Undergraduate Advising

Faculty Advisor to "Tippy Taps for Africa" Student Organization, Penn State (2009 – 2012).
Resulting in:

Zhang C, Mosa A, Matthews SA. "A low-cost strategy for improving child health in rural Uganda: A Tippy-tap based school intervention." Undergraduate Research Exhibition Award Winner, Office of Undergraduate Education. Poster Award – First Prize for Public Scholarship (April 13, 2011).

Zhang C, Mosa A, Matthews SA. "A low-cost strategy for improving child health in rural Uganda: A Tippy-tap based school intervention." Presentation to the *Pennsylvania's Undergraduate Research* at the Capitol, Harrisburg, PA (Oct 18, 2011).

Zhang C, Mosa A, Matthews SA. "What is a Tippy-Tap? Promoting hand hygiene among Uganda's school children." *Penn State – Research Unplugged Lecture Series*. State College, PA (Oct 26, 2011).

Zhang C, Mosa A, Matthews SA. "A low-cost strategy for improving child health in rural Uganda: A Tippy-Tap based school intervention." Student Leaders in Global Health, *Global Health and Innovation Conference*, New Haven, CT (April 26, 2012).

Ce Zhang (Honors Thesis, Biology with honors in Civic and Community Engagement) – Promoting clean hands among Uganda's children: A tippy-tap based school intervention. Served as Schreyer Honors College Thesis Supervisor (graduation, Spring 2012).

Ce Zhang won the Eric A. Walker Award for his Tippy-Tap work/thesis – Spring 2012

Ce Zhang was one of three finalists for the Schreyers Honors Thesis Prize.

Ce Zhang and Adam Mosa's project was highlighted in Dr. Erickson's Presidential address to the Penn State Board of Trustees during their meeting May 4, 2012.

<http://live.psu.edu/story/59600>

Schreyer Honors Thesis Advisor: Academic year, student name, major, and thesis title

2011-2012 Ce Zhang (Biology)

Promoting clean hands among Uganda's children: A tippy-tap based school intervention.

2012-2013 Alyssa Szymanski (Anthropology)

Exploring the origins of adoption in human evolution: A literature review.

2013-2015 Jacqueline Elizabeth Rao (Sociology)

The representation of food eating habits in popular children's TV shows

- 2014-2015 Katherine Busalacchi (Anthropology) Opportunities for Collaboration with Traditional Healers in HIV Prevention and Education Programs in South Africa, Best Honors Thesis in the Social Sciences, 2015 Paterno Fellows Honors Thesis.
- 2015-2016 Oluwatobi (Tobi) Otulana (Sociology/Geography) Spatial inequality in infant mortality in Nigeria.

Courses Taught

University of California Los Angeles (UCLA) (Assistant Professor, 1989-1994)

Graduate Seminars

Medical Geography - Feminist Medical Geography
Geographical Information Systems

Undergraduate

Medical Geography
Health and Global Environment
Geography of Health Care
Social Problems in Human Geography
Cartography
Computer Cartography
Geographical Information & Spatial Analysis
Quantitative Methods

University of Wales, College of Cardiff (Graduate TA/Lecturer, 1986-1989)

Undergraduate

Economics Seminar (Lecturer)
Computers in Planning (TA)
Quantitative Methods (TA)

GRADUATE STUDENTS

Graduate Student Supervision (* = Demography Student)

Current (3)

Chair or Co-Chair+ (1)

1 Ph.D. students, Sociology (Robby Zuckowski*)

Committee Member (2)

1 Ph.D. student, Anthropology (Joon Hwang)

1 Ph.D. student, Sociology (Cheyenne Lonobile*)

Past Graduate Students (at Penn State) – (90 at benchmark examinations, incl. MPS)

Past – Chair or Co-chair+ 18 in total – PhD (10) and Masters (8)

8 Ph.D. students, Sociology (Rachel Bacon*, Nyesha Black*, Jack Byerly*, Megan Evans*+, Bina Gubhaju*, Ellis Logan*, Claudia Nau*, Aliza Richman*+)

1 Ph.D. student, Anthropology (Johanna Gisladdottir Bissat*+)

1 Ph.D. student, Human Development and Family Studies (Peter Kim*+)

7 M.A. students, Sociology (Nyesha Black*, Rachel Bacon*+, Megan Evans*, Ellis Logan*+, Luis Sanchez*+, Laura Stiberman*, Robby Zuckowski*)

1 M.A. student, Geography (Netra Chhetri*+)

Past – Committee Member – 57 in total – PhD (47) – Masters (10)

4 Ph.D. student, Agricultural, Environmental and Regional Economics (Danhong Chen*, Minghao Li, Xuetao Huang*, Deshamithra Jayasekera*)

7 Ph.D. students, Anthropology (Gina Buckley*, Emily Kate*, Julia Jennings*, Saige Kelmelis*, Daniel Parker*, Andres Mejia-Ramon, Anna Tremblay*)

1 Ph.D. student, Architecture (Irem Oz)

1 Ph.D. student, Biobehavioral Health (Marina Armendariz*)

1 Ph.D. student, College of Communications (Ryan Wang)

1 Ph.D. student, Crime, Law and Justice (Karen Hayslett-McCall)

1 Ph.D. student, Criminology (Andrew [Drew] Ritchey)

8 Ph.D. students, Geography, (Kurt Fuellhart, Beth Zeleny*, Amy Griffin, Jennifer Adams, Jennifer Smith, Audrey Lumley-Sapanski, Travis Young*, Caitlin Flanagan*)

5 Ph.D. students, Health Policy Analysis (Mark Milliron, Aaron Yao*, Reni Elewonibi*, Hannah Ahn*, Nigel James*)

1 Ph.D. student, Kinesiology (Dangaia Sims)

1 Ph.D. student, Political Science (Kanisha Bond)

9 Ph.D. students, Rural Sociology (Jennifer Steele, Prem Bhandari*, Alisha Coleman*, Carla Shoff*, David Ader*, Yetkin Borlu, Danielle Rhubart*, Jacklyn Butler*, Katrina Alford*)

7 Ph.D. students, Sociology (Glynis Daniels*, James Cameron*, Matthew Marlay*, Michael Martin*, Peter Mateyka*, Michele Steinmetz*, Matthew Schroeder*)

1 M.A. student, Agricultural Economics (Mario Picon*)

3 M.A. students, Geography (Jason Allard, Jen Gober, Daniel Haug)

1 M.A. student, Landscape Architecture (Amruta Sakalker)

5 M.A. students, Sociology (Stacy Woodruff, Lauren Hughes*, Christopher Prather*, Sarah Miller*, Jisu Park*)

Also served temporarily on 14 PhD and MA committees at PSU – including

In Anthropology:	Jennifer Kirker, Nicole Goodwine, Ania Swiatoniowski
In Geography:	David Rain*, Dai Cui, Larry Wood, Tanuka Bhowmick, Nathan Frey*, John Lee
In Health Policy Administration	Beatrice Abiero*
In Rural Sociology:	Erin Condo
In Sociology/CLJ:	Frances Burden (CLJ), Chris Calienes, Jason Smith*

Past – MPS Capstone Mentor – MGIS and APDEM (22)

17 Masters in GIS (MGIS) – Capstone Mentor:

Brett Beardsley, Aimee Belanger-Haas, Critt Dustin Coburn, Greg Cook, Jordan Douthitt, Amanda Dulin, Holly Golightly, Matt Hansen, Samuel Jehle, Mandy Klein, Raul Llamas, Rob Lyerla, Lucas Murray, Madison Russell, Kyle Sowder, Bridget Burgos Tabora, Tony Van der Wielen

5 MPS Capstone in Applied Demography – Capstone Mentor:

Maha Ali Alamri, Vladimir Branisteanu, Michael Johnson, Chip Lewis, William Murray

External Ph.D. Committee member/examiner/opponent (6)

Nisaporn Wattanasupt, Demography, Institute for Population and Social Research, Mahidol University, Thailand (2007)

Lisette Aliaga-Linares, Sociology, University of Texas at Austin (2008-2012)

Suzanne Mavoa, Public Health, Massey University, New Zealand (2015)

Kelly K. Jones, College of Nursing, University of Illinois at Chicago (2017-2018)

Kamyar Hasanzadeh, Department of Built Environment, Aalto University, Finland (2019)

Brittany Barber, Faculty of Health, Dalhousie University, Canada (2022)

External MSc Committee member/examiner (2)

Takadzani Rambuda, Environmental and Geographical Sciences, University of Cape Town, RSA (May, 2009)

A. Weimann, Environmental and Geographical Sciences & School of Public Health and Family Medicine, University of Cape Town, RSA (June, 2016)

Pre-Penn State: At UCLA (1989-1994)

Chair (only while at UCLA) 1 Ph.D. student, Geography (Elizabeth Chacko).

I also served (some temporarily) on several PhD and MA committees in geography (including Daniel Block, Tom Clary, Janet Fleming, Judie Mitchell, Alan Paul, Michael Starr) and four non-geography committees (including Mark Allen, Renaldo Choffe).

CONFERENCES & WORKSHOPS (post-Jan 1, 2006)

Invited Presentations

- The temporality of people's lives and the places they live; Measuring exposure, access and use of places in demographic and health research. Aalto University, Finland, May 29, 2019
- Spatial Demography: Current state and future directions. Web presentation to the National Institute of Population Research, Population Association of Iran, Department of Demography, University of Tehran. Nov 14, 2018.
- "Contexts as Grids": Conceptual and methodological challenges and the opportunities presented by using gridded data in demographic and health research. Institute of Statistics and Cartography of Andalusia, Sevilla, Spain, May 22, 2018.
- Spatial Demography: Progress and Prospect. Postgraduate Training Program on Demography, Statistics and Health (Lecture Series "Demography Today" the Spanish National Research Council, Madrid, Spain). May 21, 2018. (Talk available at <http://www.demografia.tv/>).
- Place and the Goldilocks Principle: Theory, Measurement and the relevance of Place(s) in Population and Health. Spatial Sciences Institute, USC Dana and David Dornsife, University of Southern California. Feb 22, 2018
- "There's a lot more to places than people think": Understanding the geographies that shape our lives. *Keynote address*. Geospatial Summit, University of Southern California, Feb 23, 2018.
- Demographic processes and global health. Conversations in Global Health Speaker Series, Penn State, Feb 11, 2016.
- Concluding comments. Spatial Analysis in Historical Demography: Micro and Macro approaches IUSSP Scientific Panel on Historical Demography) Université du Québec à Chicoutimi, Quebec City, Canada, Sept 18, 2015.
- Explorations in identifying contextual units relevant to life as lived: space, place, and mobility. Minnesota Population Center, University of Minnesota, Minneapolis, MN. Nov 24, 2014.
- Identifying contextual units relevant to life as lived: Space, place, mobility, and journeys to food. Presentation to Nutrition and Obesity Policy Research & Evaluation, Rural Food Access Working Group (<http://www.hsph.harvard.edu/nopren/rural-food-access-working-group/>), August 19, 2014.
- Space, Place, Mobility, and Health Environments. PAA-sponsored U.S. Government Accountability Office (GAO) briefing, GAO Offices, Washington D.C., June 24, 2014.
- SPACES and Health. Department of Geography, University of Washington, Seattle, WA. Jan. 10, 2014
- How many contexts are relevant? Moving from monadic to polyadic perspectives to study people in place and time. Center for Studies in Demography and Ecology, University of Washington, Seattle, WA. Jan 10, 2014.
- The salience of place in the study of health and demographic outcomes. Department of Geography, Penn State, Nov 22, 2013
- "Space, place & health: Methods and musings on the challenges of studying the connections between people and places." Invited seminar CUNY Institute for Demographic Research (CIDR), Baruch College, City University of New York, New York, Nov 30, 2012.
- "SPACES" Invited seminar for the Mentoring Researchers in Latino Health Disparities (Project Pride), The Institute for Behavioral and Community Health (IBACH), San Diego State University (sponsored by Center for Wireless and Population Health Systems (CWPHS), CALIT2, UC San Diego), San Diego, CA. July 16, 2012.
- "Spatial Polygamy And Contextual Exposures (SPACES): Thinking about obesogenic environments and geographies of exposure." Obesity Research Task Force. Division of Cancer Control and Population Sciences National Cancer Institute, Bethesda, MD, April 17, 2012.
- "Spatial Polygamy And Contextual Exposures (SPACES)" Keynote address at "Extending Spaces, Community Places: An Interdisciplinary Dialogue" English Graduate Organization Colloquium, West Virginia University, Mar 10, 2012.
- What's a Tippy Tap? Promoting HandHygiene Among Uganda's School children Ce Zhang, Adam Mosa, and Stephen Matthews. Research Unplugged @ Penn State. Oct 26, 2011.
- Invited Discussant on Barbara Entwisle's presentation "Innovation in the Measurement of Place: Systematic Social Observation in a Rural Setting" DeJong Lecture in Social Demography, Penn State University, University Park, PA, Oct 24, 2011.
- (Mis)measuring Place in Obesity Research. Plenary Speaker at the Illinois Transdisciplinary Obesity Prevention Program (I-TOPP), Family Resiliency Center, University of Illinois at Urbana-Champaign, Oct 6-7, 2011.
- Spatial Analysis in Health Research. Special presentation to the National Geospatial Intelligence Agency on Human Geography at the Penn State University, University Park, PA, June 29, 2011.

- Promoting Geospatial Data & Spatial Analysis in Population and Health Research. Special session on Spatial Methods for Improving Public health organized by NIDA & NICHD at the Association of American Geographers, Seattle, WA, April 16, 2011.
- Defining and Measuring Egocentric Neighborhoods: Examples from Quantitative and Qualitative Research Projects. The Dynamics of Space-Time Use: Measurement, Patterns and Consequences Conference, The Ohio State University, Columbus, OH. Oct 2-3 2009.
- Spatial Analysis Mini-Methods Workshop, University of Washington, Seattle, WA, May 6, 2009.
- Extending the Boundaries of Place: The Connections Between Families and Residential Neighborhoods in Diverse Contexts (FRDC Faculty Tea) The Center for Family Research in Diverse Contexts, The Pennsylvania State University, April 17, 2009.
- Validating secondary data in studies of the neighborhood food environment. (with Cummins S and Saelens B) at NCI's conference on Measures of the Food and Built Environments: Enhancing Research Relevant Policy on Diet, Physical Activity, and Weight. Bethesda, MD. Nov 2, 2007.
- GIS-related priorities for enhancing research relevant to policy on diet, physical activity, and weight (with Moudon AV). Presentation at NCI's conference on Measures of the Food and Built Environments: Enhancing Research Relevant Policy on Diet, Physical Activity, and Weight. Bethesda, MD. Nov 2, 2007.
- Measuring Neighborhoods: Challenges and Opportunities for Social Science Researchers. Center for Studies in Demography and Ecology, University of Washington. Oct 26, 2007.
- Local and Global Measures of Spatial Household Income Segregation (with Reardon SF, Firebaugh G., and O'Sullivan D). International Symposium on Hedonic Methods in Real Estate, Geneva, Switzerland, June 29-30, 2007.
- Local and Global Measures of Spatial Household Income Segregation (with Reardon SF, Firebaugh G and O'Sullivan D). New Frontiers in the Field of Segregation Measurement and Analysis Conference, Monte Verita, Switzerland, July 1-5, 2007.
- The Geographical Scale of Metropolitan Racial Segregation (with Reardon SF, O'Sullivan D, Lee BA, Firebaugh G, and Farrell CR). New Frontiers in the Field of Segregation Measurement and Analysis Conference, Monte Verita, Switzerland, July 1-5, 2007.
- Making the most of geographic information in family research. Family Research Consortium IV Summer Institute, Duke University, Durham, NC. June 21-23, 2007.
- Measuring Communities. Symposium on the Science of Communities: Perspectives on Measurement, Context and Recruitment in Disenfranchised Populations. The Center for Human Development & Family Research in Diverse Contexts, The Pennsylvania State University April 16, 2007.
- Beyond the Census Tract: Patterns and Determinants of Racial Residential Segregation at Multiple Scales. (with Lee BA, Reardon SF, Firebaugh G, Farrell CR and O'Sullivan D. PRI Brown Bag, The Pennsylvania State University Nov 29, 2007.

Papers at Conferences/Meetings

- Quality of care and health insurance uptake in Namibia: A geospatial analysis (with James N, Acharya Y, Ndilimeke Nashandi JC, Bodovsky Y). American Public Health Association, Oct, 2024. Minneapolis, MN.
- South Korea's Municipalities Face Aging and Shrinking Populations (with Kim O, Kim KW, Cho, N-W, Neubert M, Kim Y) 35th International Geographical Congress, Aug 2024. Dublin, Ireland.
- Age Segregation and Opioid Overdose Mortality among Older Adults in US Counties: How Do These Associations Vary across Census Regions? (with Sun Y, Yang TC). Population Association of America. April 2024. Cincinnati, OH.
- Inside out: An investigation of shared space and place among Latinx caregiver-adolescent dyads (with Bámaca-Colbert MB, Kim PSY, Witherspoon DP). Society for the Study of Human Development 2021-2022 Conference Series: Macrosystem Challenges to Lifespan Human Development: Advancing Conceptualization, Methodologies, and Strategic Responses—Community Macrosystems. Feb 2022.
- Cyber Aggression on Social Media: A Quasi-Experimental Study of Policy on Sexist and Racist Messages (with Rodis P, Felmlee D, DellaPosta D) American Sociological Association, Aug 2019. New York, NY.
- Cyberbullying on Twitter: The role of gender, race, and policy in negative messaging (with Rodis P, Felmlee D, DellaPosta D). April 2019. Population Association of America, Austin, TX.
- Assessing U.S. county-level mental health outcomes: A spatial analysis of quality of life (with Armendariz, M). April 2019. Population Association of America, Austin, TX.
- Communal innovations: Inspiring neighborhoods of hope and advocacy. (with Smith RA, Kim Y, Sternberg E, Doudou DT and Thomas M). International Communication Association. Feb 2019. Washington, DC.

- The scale and spatial patterning of racial/ethnic segregation based on both home and workplace environments: The case of the Atlanta MSA (with Zuckowski R). International Union for the Scientific Study of Population (IUSSP), Oct 2017. Cape Town, South Africa.
- Do people living in more walkable communities lose more weight? Results from a nationwide weight management program (with Zenk SN, Tarlov E, Slater S, Jones K, and Cao L.). American Public Health Association, Oct 2017. Atlanta, GA.
- The treadmill of industrial farming: High-yield maize production in Turkey as a commodity system (with Borlu Y) ASA Sociology of Development Sixth Annual Conference (Disparities in Development; Global, Regional and Local), Oct 2017, Wayne State, Detroit, MI.
- The effect of neighborhood walkability on BMI, a retrospective longitudinal study of 1.7 million military veterans (with Tarlov E, Zenk SN, Powell LM, Slater S, Wing C, Tong H, and Xiang A.) Society of Behavioral Medicine, San Diego, CA
- Replication and data sharing in Demography: new practices and scientific norms from the perspective of a journal editor. Population Association of America, April 2017. Chicago, IL.
- The legacy of slavery and contemporary declines in heart disease (with Kramer MR, Black NC and James SA). Population Association of America, April 2017. Chicago, IL.
- New methods for describing and measuring spatial-temporal exposure to multiple places: Developments from the Activity Space and Contextual Measures of Environmental Exposures Study (with Zenk SN, Li Z, Xiang A, Castellon-Kraft A and McKinnon K.). Conference on Geospatial Approaches to Cancer Control & Population Sciences, Sept. 2016. Bethesda, MD.
- Spatio-temporal survival analysis on prostate cancer in Pennsylvania (with Wang M, Li Z, and Chinchilli V). Conference on Geospatial Approaches to Cancer Control and Population Sciences, Sept 2016. Bethesda, MD.
- Facilitating analysis of censored geospatial data: A primer on restricted data using the Kullback-Leibler divergence approach (with Yang TC and Kifer D). Conference on Geospatial Approaches to Cancer Control and Population Sciences, Sept 2016. Bethesda, MD.
- Days and timepoints of GPS tracking needed to capture usual activity spaces for cancer prevention and control research: Results from the Activity Space and Contextual Measures of Environmental Exposures (ASCME) Study (with Zenk SN, Li Z, Castellon-Kraft A, Wyrwa A, Nunez J, and Xiang A. Conference on Geospatial Approaches to Cancer Control and Population Sciences, Sept. 2016. Bethesda, MD.
- Modeling Spatial Inequality in Tehran Using Geographic Information Systems (with Rabiei-Dastjerdi H). Surveying Iran: The Future of Social Research after the Nuclear Thaw. August 2016. Budapest, Hungary. Awarded travel grant of \$800.
- Inferring censored geo-information with non-response data. (with Zhang Y, Yang TC and Kifer D) 12th International Conference on Machine Learning and Data Mining. July 2016. New York, NY.
- Multiple imputations of subregions with censored location data: A Kullback-Leibler divergence approach (with Yang TC and Kifer D). International Conference on Computational Social Science (IC2S2). Jun 2016. Chicago, IL.
- Fast food restaurant accessibility and BMI in a nationwide, metropolitan sample^[SEP] of over 2.5 million U.S. adults (with Zenk SN, Tarlov E, Powell LM, Wing C, Jones K, and Tong H). The International Society for Behavioral Nutrition and Physical Activity. June 2016. Cape Town, South Africa.
- Latino Caregivers and Adolescents Activity Spaces: Going Beyond the Residential Neighborhood to Understand Place Effects (with Witherspoon DP, Bamaca-Colbert M, Kim P and Bhargava S). Society for Research on Adolescence Development. April 2016. Baltimore, MD.
- The contribution of places to metropolitan ethnorracial diversity: Decomposing change across space and over time (with Fowler CS and Lee BA). Population Association of America, April 2016. Washington DC.
- Best practices and ethical considerations for social-spatial data use on the social determinants of health (with Henry D, Kramer M, Adimora A, Cooper H, Haardoefer R and Wingood G). American Public Health Association. Nov 2015. Chicago, IL. **Awarded Second Place Student Ethics Poster Competition.**
- GPS-derived fast-food restaurant exposure and dietary choice in African American women (with Jones K, Zenk SN and Duran AC). American Public Health Association. Nov 2015. Chicago.
- A nationwide, longitudinal study of food store accessibility and adult BMI (with Zenk SN, Tarlov E, Powell L, Wing C, Jones K, Duran AC and Bartle B) American Public Health Association. Nov 2015. Chicago, IL.
- Quantifying spatial polygamy among low-income housing residents in NYC: A GPS study (with Duncan D, Regan S, Chaix B, Goedel W, Pass K, Al-Bayan M, Gozlan B, Williams J, Dutta S, Yilma A and Elbel B) American Public Health Association. Nov 2015. Chicago, IL.
- Developing a multidisciplinary network of established and emerging scholars on migration, urbanisation, and health in Southern Africa (with Tolu Oni Pan University Network for Global Health. Oct 2015. University of Cape Town, Cape Town, South Africa.

- Longitudinal study of supermarket accessibility and BMI in a nationwide sample of over 3.1 million U.S. adults (with Zenk SN, Tarlov E, Powell L, Wing C and Jones K). Oct 2015. International Society of Behavioral Nutrition and Physical Activity, Edinburgh, Scotland.
- Enhancements to a geographically weighted quantile-based analysis of the context of applications to ecological data. (with Chen V, Yang TC). Asian Conference on Civil, Material and Environmental Sciences (ACCMES), Aug 2015, Osaka, Japan.
- The Spatial Diffusion of Racial and Ethnic Diversity across U.S. Counties (with Martin MJR and Lee BA). Population Association of America, May 2015. San Diego, CA.
- Income inequality and mortality in US counties, 1990-2010: A dynamic spatial panel analysis (with Yang TC and Park K). Poster. Population Association of America. May 2015. San Diego, CA. **PAA Poster Award Winner.**
- Development of a smartphone app to promote active travel to a large university campus (with Bopp M, Sims D, Coglean JC, Rovnik L, and Poole E). Poster. Society of Behavioral Medicine, April 2015, San Antonio, TX.
- Relative contributions of residential neighborhood and activity space recreational open space to physical activity in African American women. Poster (with Jones K and Zenk S). American Public Health Association. Nov 2014. New Orleans, LA. **Honorable mention in poster competition.**
- To switch or not to switch? Examining the complexity of store choice when a new supermarket opens. (with Cummins S, Logan E and Abiero B). American Public Health Association. Nov 2014. New Orleans, LA.
- Incorporating Spatial and Network Perspectives in the Study of Urban Poverty and Neighborhood Effects on Crime (with Graif C and Gladfelter AS). American Sociological Association, Aug 2014. San Francisco, CA.
- Engineering Online and In-Person Social Networks for Physical Activity: Results of a Randomized Controlled Trial (with Rovniak L, Ding D, Sciamanna C, Sallis J, Kraschewski J, Ray C, Hovell M). International Society of Behavioral Nutrition and Physical Activity. May 2014. San Diego, CA.
- Death by segregation: Does the dimension of racial segregation matter? (with Yang TC and Tsao H-S). Population Association of American. May 2014. Boston, MA.
- Predictors of care for early-stage breast cancer in Appalachia (with Kimmick G and others). Poster at the 2013 of the American Society of Clinical Oncology (ASCO), June 2013, Chicago, IL.
- Child Neglect & Neighborhood Exposure: A Call for Innovation in Methods to Study Neighborhood Influence on Parenting (with Azar ST and Stevenson MT) Poster. Society for Research in Child Development, April 2013, Seattle, WA.
- Patterns of time spent and physical activity inside and outside the neighborhood in urban adults (with Bevan JL, Zenk SN, Schulz AJ, Fogg L and Stokes C). Poster. 37th Midwest Nursing Research Society, Mar 2013, Chicago, IL.
- A spatio-temporal analysis of *Plasmodium Falciparum* and *P. Vivax* infections and treatment seeking behavior in Tha Song Yang District, Tak Province, Thailand: 2008-2011. (with Parker D, Srisatjarak W, Lerdprom R, Yan G, Prachumsri J, Cui L, Sirichaisinthop J). Poster. American Society of Tropical Medicine and Hygiene, Nov 2012, Atlanta, GA.
- Do supermarket interventions improve food access, fruit and vegetable intake and BMI? Evaluation of the Philadelphia Fresh Food Financing Initiative (with Ellen Flint, Steven Cummins). Presented by Ellen Flint at the Society for Social Medicine, London School of Hygiene & Tropical Medicine, UK, Sept. 14, 2012.
- Exploring heterogeneities in health outcomes and space: Integrating quantile and geographically weighted regression (with Yang TC and Chen V Y-J). Presented at the Population Association of American. May 2012. San Francisco, CA.
- Breast cancer treatment resources and guideline-concordant radiation therapy after breast conservation surgery in Appalachia: A geospatial perspective (with Yao N, Hillemeier M and Anderson R). Poster. American Society of Clinical Oncology: Breast Cancer Symposium, Sept 2011. San Francisco, CA.
- An exploratory approach to modeling nonstationarity for spatial quantile-based data analysis (with Chen V Y-J, Deng W-S and Yang TC). New Zealand Statistical Association. Aug 2011. Auckland, New Zealand.
- Using geoethnography to explore the relationship between people and place: A study of low-income families in small town and rural areas (with Shoff C). Rural Sociological Society, Jul 2011. Boise, ID.
- The impact of alcohol outlet density on the clustering of underage drinking behaviors within neighborhoods (with Reboussin B, A Song E-Y and Wolfson M). Poster presented at The Society for Prevention Research Jun 2009. Denver, CO.
- Exploring the spatially varying effects of neighborhood trust and health care system distrust on self-rated health among the elderly: a geographically weighted regression approach (with Yang TC. [presenter]). GIS in the Humanities and Social Sciences International Conference. Oct 2009. Academia Sinica, Taipei, Taiwan.
- Dissolution of extended-family households in Northern Orkney, Scotland, 1851-1901 (with Jennings J, Murtha T, Wood J, Johnson P and Sparks C) International Union for the Scientific Study of Population. Oct 2009. Marrakech, Morocco.

- The spatial dimensions of population growth and decline; using GIS and remote sensing to understand landscape and demographic history in Orkney, Scotland (with Murtha T, Wood J and Johnson P) International Union for the Scientific Study of Population. Oct 2009. Marrakech, Morocco.
- Exploring the determinants of stress: an examination using spatial and multilevel analysis in Philadelphia (with Yang TC). Population Association of America. May 2009. Detroit, MI.
- Dissolution of extended-family households in Northern Orkney, Scotland, 1851-1901 (with Jennings J, Sparks C, Wood J, Johnson P and Murtha T) Population Association of America. May 2009, Detroit, MI.
- Spatio-temporal dimensions of population history, settlement patterns, and landscape archaeology in Orkney (1750-2000) (with Murtha T Wood J and Johnson P). Presentation at the Computer Applications and Quantitative Methods in Archeology, Mar 2009. Williamsburg, VA.
- Geospatial measurement and analysis of physical activity: Physical Activity Location Measurement System (PALMS) (with Patrick K, Kerr J, Norman G, Sallis J, Kruger I, Griswold W, Demchak B, Dietrich S, Raab F, Lotspeich D, Wolf J and Ainsworth B). International Society for Environmental Epidemiology. Oct 2008. Pasadena, CA. Abstract. *Epidemiology*: 19(6), S63 online at http://journals.lww.com/epidem/Fulltext/2008/11001/Geospatial_Measurement_Analysis_Of_Physical_Activity.186.aspx
- Historical demography, oral history, settlement archaeology, and landscape ecology: The North Orkney Population History project (with Murtha T, Johnson P, Wood J and Jennings J) European Population Conference. Jul 2008. Barcelona, Spain.
- Innovation in Measuring Access and Utilization of Community Assets in Health Research (with Francis L). International Conference on Community Psychology, June 2008. Lisbon, Portugal.
- Spatial and multilevel models of neighborhood food environments, diet and obesity in Philadelphia, PA. 2006 (with Cummins S, Yang TC, Simon, RM). Poster International Society for Behavioral Nutrition and Physical Activity, May 2008. Banff, Canada.
- From Census Tracts to Local Environments: An Egocentric Approach to Neighborhood Change (with Lee BA Reardon SF, Farrell CR, Firebaugh G) Urban Affairs Association. April 2008. Baltimore, MD.
- Neighborhood Food Environment, Diet and Health Quasi Experimental Study (co-presented with Cummins S). Presentation to the National Institute of Environmental Health Science 2nd Obesity and Built Environment Meeting. Sept 2007. Durham, NC.
- Ground truths? Validating secondary data in studies of the neighborhood food environment. (co-presented with Cummins S and Saelens B). Presentation to the National Institute of Environmental Health Science 2nd Obesity and Built Environment Meeting. Sept 2007. Durham, NC.
- Neighborhood food environments, diet and obesity in Philadelphia: The FFFI Study (with Cummins S, Bissat J, and McManus B). The International Society For Behavioral Nutrition and Physical Activity. June 2007. Oslo, Norway.
- Influence of perceived rewards for pro-social involvement in school on lifetime smoking among students in Cape Town, South Africa (with Gilreath T, Chaix B, King G and Flisher A). Society for Prevention Research, May 30-June 1, 2007.
- Methods for Studying the Geographical Scale of Metropolitan Racial Segregation (with Firebaugh G Reardon SF, Lee BA, Bischoff K, Farrell CR and O'Sullivan D). International Sociological Association Research Committee on Stratification. May 2007. Brno, Czech Republic.
- Patterns and trends in the spatial scale and magnitude of racial residential segregation, 1980-2000 (with Reardon SF, Lee B, Farrell C, O'Sullivan D, Firebaugh G and Bischoff K). Population Association of America. Mar 2007, New York, NY.
- Spatiotemporal dynamics of population change in the Northern Islands of Orkney, Scotland, c. AD 1750-2000 (with Wood J Johnson P, Murtha T and Sparks C). NSF Human Social Dynamics Awardee Meeting Sept 2006. Washington D.C.
- Neighborhood food environment, diet and health: A quasi experimental study (with Steven Cummins). Presentation to the National Institute of Environmental Health Science Obesity and Built Environment Meeting, Aug 2006. Durham, NC.
- A new approach to measuring socio-spatial economic segregation (with Reardon S.F. Firebaugh G, and O'Sullivan D). International Association for Research in Income and Wealth. Aug 2006. Joensuu, Finland.
- Segregation and scale: the use and interpretation of spatial segregation profiles for investigating the causes, patterns, and consequences of residential segregation (with Reardon SF, O'Sullivan D, Lee BA, Firebaugh G and Farrell CR). Population Association of America. Mar 2006, Los Angeles, CA.
- Patterns and correlates of racial residential segregation: a spatially refined approach (with Lee BA, Firebaugh G, Farrell CR, Reardon SF and O'Sullivan D) Population Association of America. Mar 2006, Los Angeles, CA.
- Visualizing Orkney: Landscape archaeology and demography of the Northern Isles (with Murtha T, Wood J, Johnson P and Sparks C). Computer Applications in Archaeology Fargo, ND.

Spatial inequality in Chile: Stasis and change (with Jensen LI and Yang TC). Population Association of America. Mar 2006, Los Angeles, CA.

Workshop Participation

GIS and Spatial Modeling, 108th American Sociological Association (ASA), New York City, August 10-13, 2013. Coordinated by Kyle Crowder (U. of Washington).

Other Conference Participation

Organizer, Sessions on "Spatial Demography." Population Association of America. Washington D.C. 2020 (with Monica Alexander).
 Session moderator, "Rural Families and Communities." National Family Symposium. Penn State, Oct, 2018.
 Organizer, Paper and poster sessions on "Spatial Demography." IUSSP. Cape Town, South Africa. Oct 2017.
 Organiser, Sessions on "Advances in Mathematical, Spatial, and Small-Area Demography" and "Innovative Methods and Data in Segregation Research." Population Association of America. Chicago, IL. April 2017.
 Discussant, "Innovations in Data, Methods, and Measurement." Population Association of America. San Francisco, CA. May 2012.
 Discussant, "Frontiers in Spatial Demography and Population Geography." Association of American Geographers. New York, 2012.
 Discussant, "Best Practices and New Directions in Neighborhood Research." Columbia Population Research Center and Robert Wood Johnson Health and Society Scholars Program. Columbia University, NY, Oct, 2010
 Organizer of a session on "Statistical, Spatial, and Network Methods." Population Association of America. Dallas, TX. 2010
 Organized of a session on "Innovations in Data and Measurement in Spatial and Network Analysis." Population Association of America. Dallas, TX. 2010
 Discussant of a special session honoring the contributions to spatial demography by Paul Voss (Wisconsin). Population Association of America. Los Angeles, CA. 2006.

Summary of Conferences and Workshops 1986-2005

Papers/Posters at Conferences & Meetings:

- 2005** Spatial Differentiation and Governance in the Americas (Austin, TX).
- 2004** National Council on Family Relations (Orlando, FL); American Public Health Association (Washington DC); Centennial Meeting of the Association of American Geographers (Philadelphia, PA); Rural Poverty Research Center Conference (Washington DC); Society for Nicotine and Tobacco Research (Scottsdale, AZ).
- 2003** Assisted Learning Technologies Conference (Sheffield, UK) National Association for Rural Mental Health (Orlando, FL), Pennsylvania GIS Conference (Harrisburg, PA).
- 2002** American Sociological Association (Chicago, IL); Population Association of America (Atlanta, GA); National Institute on Aging (Bethesda, MD).
- 2001** Society for the Study of Human Development (Ann Arbor, MI); Society for Research in Child Development (Minneapolis, MN); Academy of Criminal Justice Sciences (Washington DC); Association of American Geographers (New York, NY); GIS and Critical Geography Research (New York, NY); MacArthur Foundation Research Network on Successful Pathways through Middle Childhood Conference (Santa Monica, CA).
- 2000** International Crime Mapping Research Conference (San Diego, CA); Towards Higher Levels of Analysis (Bethesda, MD); Demography Graduate Student Methodology Workshop (State College, PA).
- 1999** International Crime Mapping Research Conference (Orlando, FL); Association of American Geographers (Honolulu, HI).
- 1998** Rural Sociology Annual Conference (Portland, OR); Population Association of America (Chicago, IL); Association of American Geographers (Boston, MA); Eastern Sociological Society (Philadelphia, PA); AAAS (Philadelphia, PA).
- 1997** Association of American Geographers (Fort Worth, TX).

- 1996** Middle States-Association of American Geographers (Philadelphia, PA); Population Association of America (New Orleans, LA); Association of Population-Family Planning Libraries and Information Centers-International (New Orleans, LA); Participation, People, and Sustainable Development: Understanding the Dynamics of Natural Resource Systems (Rampur, Nepal); Internet Connections: Communicating with LDCs on Population and Reproductive Health (Baltimore, MD).
- 1995** Association of Population Centers Meeting (Chapel-Hill, NC); Global Population Information Network (POPIN) Information Technology Workshop (Bangkok, Thailand); Population Association of America (San Francisco, CA).
- 1994** (Sixth) International Medical Geography Symposium (Vancouver, Canada); Association of American Geographers (San Francisco, CA).
- 1992** Association of American Geographers (San Diego, CA).
- 1991** Regional Science Association (New Orleans, LA); Association of American Geographers (Miami, FL).
- 1990** Association of American Geographers (Toronto, Canada).
- 1989** Sixth European Colloquium on Theoretical and Quantitative Geography (Chantilly, France); Quantitative Methods Study Group Workshop on Applied GIS (Leeds, UK); Association of American Geographers (Baltimore, MD).
- 1988** Association of American Geographers (Phoenix, AZ); Institute of British Geographers (Loughborough, UK).
- 1987** European Colloquium on Theoretical and Quantitative Geography (Bardonecchia, Italy)

Other Conference Participation – Discussant and Session Organizer

- 2004** Population Association of America (Boston, MA).
- 2003** Population Association of America (Minneapolis, MN).
- 2002** Population Association of America (Atlanta, GA).
- 2001** Association of American Geographers (New York); Population Association of America (Washington DC).
- 2000** Population Association of America (San Los Angeles, CA).
- 1999** Population Association of America (New York, NY).
- 1998** Association of American Geographers (Boston, MA); Population Association of America (Chicago, IL).
- 1997** Association of American Geographers (Fort Worth, TX).
- 1996** Middle States-Association of American Geographers (Philadelphia, PA); International Conference on Applied and Business Demography (Bowling Green, OH); Association of Population/Family Planning Libraries and Information Centers-International (New Orleans, LA); Internet Connections: Communicating with LDCs about Population and Reproductive Health (Baltimore, MD).
- 1995** Association of American Geographers (Chicago, IL).
- 1994** American Collegiate Schools of Planning Conference (Tempe, AZ); Sixth International Medical Geography Symposium (Vancouver, BC, Canada); Association of American Geographers, (San Francisco, CA).
- 1993** Association of American Geographers (Atlanta, GA).
- 1991** Regional Science Association (New Orleans, LA).
- 1988** Institute of British Geographers Annual Conference (Loughborough, UK).

Invited Presentations

- 2005** American Sociological Association (Philadelphia, PA); Association for Population/Family Planning Libraries and Information Centers – International (APLIC-I) Conference (Philadelphia, PA); UCLA-Family Change Meeting (Los Angeles, CA).
- 2004** Family Research Consortium IV Summer Institute (San Juan, Puerto Rico); Spatial Information Science for Human and Social Sciences (University of Tokyo, Japan).
- 2003** Health Disparities Conference (State College, PA)
- 2002** CSISS/Ohio State University (Columbus, OH); Initiative in Population Research, Ohio State University, (Columbus, OH); Department of Geography, University of Connecticut, Storrs, CT.
- 2001** Fifth International Crime Mapping Research Conference (Dallas, TX); CSISS/Ohio State University (Columbus, OH); Committee on Populations, National Research Council (Washington DC); Welfare, Children and Families Meeting, Johns Hopkins University, Baltimore, MD).
- 2000** Brandies University (Boston, MA); Harvard University (Cambridge, MA); Population Reference Bureau (Washington DC); Macro International (Calverton, MD).
- 1999** Center for Demography and Ecology (CDE), University of Wisconsin (Madison, WI).
- 1998** Department of Geography, University of Maine (Farmington, ME); International Centre for Integrated Mountain Development (ICIMOD) (Kathmandu, Nepal); Kathmandu University (Dhulikhel, Nepal); The Office of Population Research, Princeton University (Princeton, NJ).

- 1997** Department of Geography, University of Delaware (Newark, DE); Graduate Group in Demography and the Department of Geography, SUNY-Buffalo (Buffalo, NY);
- 1995** Economic and Social Commission for Asia and the Pacific, United Nations (Bangkok, Thailand).
- 1993** County of Los Angeles Department of Health Services (Los Angeles, CA); Department of Geography, CSU-Northridge (Northridge, CA)
- 1992** Department of Geography, University of Southern California (Los Angeles, CA).
- 1990** Department of Geography, University of Iowa (Iowa City, IA).
- 1988** The Survey Research Centre, University of Michigan (Ann Arbor, MI).

GIS Workshops

- 2005** GIS for Population Scientists (State College, PA); GIS for Population Scientists (Santa Barbara, CA)
- 2003** Population Science and GIS (State College, PA); Population Association of America pre-conference workshop on GIS and Demography (Minneapolis, MN).
- 2004** Promoting GIS in Tobacco Research (University of Cape Town, South Africa)
- 2002** Population Association of America pre-conference workshop on GIS and Demography (Atlanta, GA).
- 2001** Family Research Consortium pre-conference workshop on Contextual Analysis and GIS (State College, PA); Population Association of America pre-conference workshop on GIS (Washington DC).
- 2000** Children, Youth and Families Consortium Workshop on "CYFC research using GIS," (State College, PA); Population Association of America pre-conference workshop on GIS and Demography (Los Angeles, CA).
- 1999** Family Research Consortium III workshop on "GIS and Families in Poverty Research" (State College, PA); Children, Youth and Families Consortium workshop on "Integrating and analyzing contextual data in CYFC research using GIS" (State College, PA); Population Association of America pre-conference workshop on GIS (New York City, NY).
- 1998** Annual Demography Summer Workshop on "GIS Applications in Demography" (State College, PA); Population Association of America pre-conference workshop on GIS (Chicago, IL).

EMPLOYMENT HISTORY

Administrative

- 2018-2023** Faculty Director, Online Graduate Certificate and MPS in Applied Demography, PSU (Interim Director, 2018-2019)
- 2013-2023** **Director, Graduate Program in Demography**, Graduate School, PSU.
- 2011-2013** Faculty Director: Geographic Information Analysis (GIA) Core, PRI/SSRI
- 1994-2011** Director of the GIA Core. Including Director of the Computer Core (1994-97), PRI

Academic

- 2018-2023** **Liberal Arts Professor**
- 2014-2023** **Professor of Sociology, Anthropology, and Demography (Courtesy Geography and the School of International Affairs).**
- 2010-2014** Associate Professor of Sociology, Anthropology, and Demography (Courtesy Geography).
- 2005-2010** Associate Professor (untentured) of Sociology, Anthropology, and Demography (Courtesy Geography).
- 2000-2005** Courtesy appointments as Associate Professor of Geography, Sociology and Demography.
- 1994-2000** Courtesy appointment as Adjunct Assistant Professor of Geography, Penn State.
- 1990-1994** Assistant Professor, Department of Geography, University of California, Los Angeles.
- 1989-1990** Visiting Assistant Professor, Department of Geography, University of California, Los Angeles.