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NIH/My Bibliography

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

**CURRENT POSITION AND AFFILIATIONS**

**Professor:** Sociology, Anthropology, and Demography (Courtesy Geography and School of International Affairs)  
**Director:** Graduate Training Program in Demography (2013-2018).  
**Faculty Affiliate:** Dual-Title Graduate Degree in Demography;  
Population Research Institute;  
World Campus Programs: Geographic Information Science  
Applied Demography  
Center for Human Ecology  
Dual-Title Graduate Degree in Bioethics  
Penn State Hershey Cancer Institute – Population Health and Cancer Control  
Penn State Hershey's Diabetes and Obesity Institute

**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 & Edited Books**

Zelinsky W, 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>

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>

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>

**Published Articles and Editorials/Encyclopedia\***Forthcoming

- 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**
- Graif C, Matthews SA. (Published Online) The long arm of poverty: Extended and relational geographies of child victimization and neighborhood violence exposures. **Justice Quarterly**
- Martin M, Lee BA, Matthews SA. (Published Online) The Spatial Diffusion of Racial and Ethnic Diversity Across U.S. Counties. **Spatial Demography**
- 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**  
<http://journals.sagepub.com/doi/full/10.1177/0890117117694287>
- Rabiei-Dastjerdi H, Matthews SA, Ardalan A. (Published Online) Measuring spatial accessibility to urban facilities and services in Tehran **Spatial Demography** DOI:10.1007/s40980-016-0028-2

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- \* Matthews SA (2017) Uncertain Geographic Context Problem. In **The International Encyclopedia of Geography**, Douglas Richardson et al. (eds). Malden, Oxford: John Wiley & 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/onib>
- Fowler CS, Lee BA, Matthews SA. (2016) The contributions of places to metropolitan ethnorracial 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. (Published online) 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
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- 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.
- 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. PCM4580431.
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- \*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

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- Anderson RT, Yang T-C, 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](https://doi.org/10.1111/1475-6773.12108). PMC: [3976186](https://pubmed.ncbi.nlm.nih.gov/3976186/)
- Yang T-C, 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](https://pubmed.ncbi.nlm.nih.gov/PMC3851937/) DOI [10.1007/s12529-013-9293-2](https://doi.org/10.1007/s12529-013-9293-2)
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- Health Affairs* forth highest read article in 2014  
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- Fleming ST, Mackley HB, Camacho F, Seiber EE, Gusani NJ, Matthews SA, Liao J., Yang T-C, 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](https://doi.org/10.1111/jrh.12033)
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- Yang T-C, 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](https://doi.org/10.1177/0898264313490199) PMC [3761213](https://pubmed.ncbi.nlm.nih.gov/3761213/).
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- Yang T-C, 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](https://pubmed.ncbi.nlm.nih.gov/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](https://doi.org/10.3945/ajcn.112.036392) PMID: [23193006](https://pubmed.ncbi.nlm.nih.gov/23193006/) PMC:[3712124](https://pubmed.ncbi.nlm.nih.gov/3712124/)
- 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](https://pubmed.ncbi.nlm.nih.gov/21952361/) PMC[339715](https://pubmed.ncbi.nlm.nih.gov/339715/)
- 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](https://doi.org/10.1111/j.1748-0361.2011.00385.x) PMID: [22458318](https://pubmed.ncbi.nlm.nih.gov/22458318/) PMC [3733175](https://pubmed.ncbi.nlm.nih.gov/3733175/).
- Shoff C, Yang T-C, 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](https://doi.org/10.1007/s10708-010-9405-3). PMCID: [PMC3569028](https://pubmed.ncbi.nlm.nih.gov/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](https://doi.org/10.1016/j.amepre.2012.02.004). PMID [22516493](https://pubmed.ncbi.nlm.nih.gov/22516493/) PMC[3755945](https://pubmed.ncbi.nlm.nih.gov/3755945/).
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- Chen VY-J, Deng W-S, Yang T-C, 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](https://doi.org/10.1111/j.1538-4632.2012.00841.x). PMC[4204738](https://pubmed.ncbi.nlm.nih.gov/4204738/)
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- Yang T-C, 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](https://doi.org/10.1016/j.healthplace.2012.01.007) PMID: [22321903](https://pubmed.ncbi.nlm.nih.gov/22321903/) PMC: [3319514](https://pubmed.ncbi.nlm.nih.gov/3319514/).

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- Yang T-C, 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.
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- The third highest cited article in Health and Place since 2010*  
See <http://www.journals.elsevier.com/health-and-place/most-cited-articles/>
- Matthews SA (2011) Spatial analysis. In **Oxford Bibliographies Online – Sociology** <http://www.oxfordbibliographiesonline.com/view/document/obo-9780199756384/obo-9780199756384-0058.xml> (to be updated February 2015; 2<sup>nd</sup> edition to be co-authored with Ellis Logan and Rachel Bacon)
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- 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
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- Gubhaju B, Matthews SA (2009) Women's empowerment, sociocultural context, and reproductive behavior in Nepal. **Asia-Pacific Population Journal** 24(2): 25-50.
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- 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
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\*Matthews SA (2008) The salience of neighborhoods: lessons from early Sociology? (Guest commentary) **American Journal of Preventive Medicine** 34(3):257-259.  
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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.

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\*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.

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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.

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### Book Chapters

- Howell FM, Porter JR, Matthews SA (2016) Introduction – Recapturing Spatial Approaches to Social Science Problems. Pp. 1-8, Chapter 1 in Howell FM, Porter, JR, & 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, & 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, & Matthews SA (editors). **Recapturing Space**. Springer, New York, NY.
- Howell FM, Porter JR, Matthews SA (2016) Concluding Remarks: Developing Spatial Demography. Pp. 371-379, Chapter 18 in Howell FM, Porter, JR, & 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 L Burton, S Kemp, M Leung, SA Matthews, & D Takeuchi (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 L Burton, S Kemp, M Leung, SA Matthews, & D Takeuchi (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, & 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, Chapter 29 in Blasius, J. and 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, 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)



### Published Conference Proceedings

- Zhang Y, Yang T-C, Matthews SA. (2016) Inferring Censored Geo-Information with Non-Representative Data. In **Machine Learning and Data Mining in Pattern Recognition: 12th International Conference**, MLDM 2016, New York, NY, USA, July 16-21, 2016, Proceedings. 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** National Exhibition Centre, Birmingham 11-12<sup>th</sup> October, 1989.

### Book Reviews

- Religion and Community in the New Urban Era* by Paul D. Numrich and Elfriede Wedam (2015) **American Journal of Sociology** 122(3):1000-1002.
- Spatial Inequalities: Health, Poverty, and Place in Accra, Ghana*, by John R. Weeks, Allan G. Hill, and Justin Stoler (Editors). (2013) Springer. **Spatial Demography** 3(1):55-57.
- Small Cities USA: Growth, Diversity, and Inequality*, by Jon R. Norman (2013) Rutgers University Press. **Contemporary Sociology: A Journal of Reviews** 43(5), 723-725.
- Visualizing Data Patterns with Micromaps*, by Daniel B. Carr and Linda Williams Pickle (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 Ken Jennings (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 Kristen S. Kurland and Wilpen L. Gorr (2009) ESRI Press: Redlands, CA. **American Journal of Preventive Medicine** 37(6), 574-575. 2009.
- Fundamentals of Geographic Information Systems* by Michael DeMers (2000) John Wiley: New York in **Area** 33(2):223-224. 2001.
- AIDS, Homelessness and Stigmatization: the NIMBY syndrome in the US at the end of the 20<sup>th</sup> Century* by Lois Takahashi (1998) Oxford University Press: Oxford in **Progress in Human Geography** 25(3):513-514. 2001.
- Deciphering Global Epidemics: Analytical Approaches to the Diseases Records of World Cities, 1888-1912* by Andrew Cliff, Peter Haggett and Matthew Smallman-Raynor (1998) Cambridge Studies in Historical Geography, Cambridge University Press: Cambridge in **Historical Geography** 28. 2000.
- “Mama might be better off dead”: the failure of health care in urban America* by L.K. Abraham (1993) University of Chicago Press: Chicago in **Health and Place** 2(3):194. 1995.
- Full Circles: Geographies of Women over the Life Course* edited by Cindy Katz and Janice Monk (1993) Routledge: New York in **Journal of Regional Science** 33(4):571-573. 1993.
- Geomedical Systems: Intervention and Control* by Richard Thomas (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 Gary W. Shannon *et al* (1991) Guildford Press: New York in **Transactions, Institute of British Geographers** 18(3):412-413. 1993.
- Geographical Information Systems and their Socioeconomic Applications* by David Martin (1991) Routledge, Chapman and Hall: London in **Environment and Planning B: Planning and Design** 19(2):238-9. 1992.

### Miscellaneous Publications & Working Papers

- Matthews SA (2013) Conversations with a spatial demographer, Stephen Matthews (interview by Paul Voss). **Spatial Demography** 1(2):195-201
- Zelinsky W, 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 several articles/chapters by Glenda that were later published.*
- Green A, Higgs G, Matthews SA, & 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 Reports

- 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. September, 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. November, 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](http://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](http://www.ydr.com/business/ci_26323980/yorks-food-desert-small-oasis)

February 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 January 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 January 16, 2008 for a story titled "Cities Study Dearth of Healthy Food." This article appeared in *USA Today* on January 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), January 2003 (available online at: <http://www.rps.psu.edu/0301/jobs.html>)

Interviewed by Paul Blaum 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](http://www.psu.edu/ur/archives/intercom_1998/April2/news7.html#anchor858516)).

## RESEARCH INTERESTS

### Substantive:

Spatial Inequality  
 Neighborhood Change  
 Health Inequality (Cancer & Obesity)  
 Family and Neighborhood Research

### Methodological/Conceptual

Spatial analysis in Demography/Health  
 Qualitative & Quantitative Data Integration  
 (Geoethnography)  
 Definitions of Place/Neighborhood/Context

## 1: Active Grants

### External

**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: September 1, 2012.

**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 15, 2013.

**Shannon Zenk (PI)** (University of Illinois at Chicago) et al. "Environmental Attributes and Weight Control: Study of Over 1.3 Million Veterans." R01 Subcontract Awarded Fall 2013 National Institutes of Health.

**Stephen A Matthews** and **Shannon Zenk (MPIs)** Activity space and measuring environmental exposure in behavioral research. R21 National Cancer Institute Awarded April, 2015.

**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.

## Infrastructure Grants

**Jennifer Van Hook (PI)** P2C Population Center Renewal Application Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD). The P2C is a 5-year award; 2016-2020.

### Continuing (unfunded) research projects

#### External

**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 granted through 2011.

**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. No cost extension through 2013.

### Grants – Mentoring

#### External

**Michael Kramer** (Emory University) Ko1 Award (NICHD) “Spatiotemporal neighborhood dynamics and early childhood cognitive development” Awarded Fall 2013.

### Grants – Consultant

**Terry Jernigan** (UCSD) Adolescent Brain Cognitive Development (ABCD) Study; **Kevin Patrick** (UCSD) coordinator of the Mobile, Social and Environmental Data Advisory Committee. ABCD is funded by NIDA, NIAAA, NCI, and other NIH institutes. Awarded 2015.

**Elizabeth Tarlov** (Department of Veterans Affairs). “Improving VA Weight Management Outcomes: Role of the Residential Environment.” Department of Veterans Affairs. Awarded 2014.

**Denis Gerstorff (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, October 2103.

**Marta Jankowska** (PI) (UCSD) et al. Hispanic Access and Exposure to the Built Food Environment. National Science Foundation. Awarded January, 2016.

**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.

**Jacqueline Kerr (PI)** (UC San Diego) R21 “Development and validation of novel prospective GPS/GIS based exposure measures.” National Institutes of Health. Awarded: September, 2012.  
[http://cwphs.ucsd.edu/index.php?option=com\\_content&view=article&id=84%3Aspatial&catid=34&Itemid=79](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>

**Tamara Dubowitz (PI)** (Rand, Pittsburgh) “Does a new supermarket improve dietary behaviors of low-income African Americans?” National Institutes of Health.

## 2: Grant Applications - Under Review

Several internal grants.

## 3: Applications to be Revised When I Get the Time

**Stephen A. Matthews (PI)** and Stuart Sweeney (UCSB) colleagues at Penn State and UCSB. “Advanced Spatial Analysis for Population Scientists.” An R25 renewal application submitted to the National Institutes of Health Score 27.

**Tse-Chuan Yang (SUNY, Albany)** and Stephen A. Matthews. Investigating the determinants of income segregation with a local perspective in the US, 1970-2010. National Science Foundation. January 2014.

**Shannon Zenk (PI)** (University of Illinois at Chicago), Stephen A. Matthews, and others. “Activity-space environments and obesity: Does it matter where you spend time?” R01 – Original submission to NIH, June 2011.

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

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. December 2013.

Erica Frankenberg (Education, Penn State). Spatial analysis of contemporary school segregation patterns. Co-faculty mentor. SSRI Faculty Fellowship Award. December 2013.

Liza Rovniak (PI) (Hershey), Jennifer Kraschnewski, 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. February 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. December 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 October 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 December 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) September 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. December 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 Odums (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 October 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 and foundations. Role: research scientists on the ethnographic component of the Tri-city Study of Welfare Reform and the Well-being of Children and 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.

**RESEARCH SERVICE TO THE PROFESSION****Journal Editorial Boards**

- Co-Editor**                      ***Demography*** (May 1, 2016 – April 30, 2019);  
Deputy Editor (Jan 1, 2016 – April 30, 2016)
- Associate Editor**              ***Demographic Research*** (2012 – 2016)
- Editorial Boards**                ***American Journal of Preventive Medicine*** (2005 – 2015)
- Demography*** (2010 – 2016)
- GeoJournal*** (2011 – 2015)
- Health & Place: An International Journal***  
Editorial Board (1994 – 2004)  
Book Review Editor (1994 – 1998)
- Spatial Demography*** (2011 – 2015)  
Associate Editor  
Book Review Editor
- Guest Editor**                      ***Journal of Geography in Higher Education*** (1995) “Teaching  
Medical Geography” 19 (3) (w/Mark Rosenberg)
- Geoforum*** (1995) “Geographies of Women’s Health” 26 (3)
- American Journal of Preventive Medicine*** (2012) “GIS and  
Childhood Obesity” (w/ Celeste Torio) – multiple media outlets picked up  
on this special issue on or around April 10, 2012, citing editors and  
authors of papers (e.g., ABC News, Time, and specialist outlets such as  
Spatial News). Video introduction: <http://www.scivee.tv/node/57849>
- Demographic Research*** (2013) Special Collection on “Spatial  
Demography”  
<http://www.demographic-research.org/special/13/default.htm>
- The American Academy of Political and Social Science*** (July,  
2015) “Residential Inequality in American Neighborhoods and  
Communities” (w/ Barrett A. Lee, Glenn Firebaugh and John Iceland).
- Mathematical Population Studies*** Coordinating a special issue on  
spatial mathematical demography, issue planned for 2017-2018

## Reviewing for Journals

Reviewer for the following 79 journals (number of times in parentheses if > 1).

### Demography, Sociology and other Social Science

<i>American Journal of Education</i>	<i>American Journal of Sociology</i>
<i>American Sociological Review</i> (3)	<i>Asian Population Journal</i>
<i>Criminal Justice Quarterly</i>	<i>Demography</i> (9) – currently co-Editor
<i>Demographic Research</i> (175+ as guest and as associate editor)	
<i>Environment and Behavior</i>	<i>Field Methods</i>
<i>Journal of Mixed Method Research</i> (2)	<i>Journal of Urban Affairs</i> (3)
<i>Policy Analysis and Management</i>	<i>Population Research and Policy Review</i> (5)
<i>Population and Environment</i>	<i>Population Studies</i>
<i>Rural Sociology</i> (2)	<i>Social Currents</i>
<i>Social Forces</i>	<i>Social Problems</i>
<i>Social Science Research</i> (2)	<i>Sociological Methodology</i> (2)
<i>Sociological Quarterly</i>	<i>Spatial Demography</i> (3)
<i>Urban Studies</i>	

### Geography, GIS and Spatial Analysis

<i>Annals, Assoc. of American Geographers</i> (10)	<i>Annals, GIS</i> (2)
<i>Applied Geography</i> (3)	<i>Area</i> (4)
<i>Cartographic Perspectives</i>	<i>Cartographica</i>
<i>Computers, Environment &amp; Urban Systems</i>	<i>The Canadian Geographer</i> (3)
<i>Economic Geography</i>	<i>Environment and Planning A</i> (8)
<i>Environment &amp; Planning B: Planning &amp; Design</i> (2)	<i>Environment &amp; Planning D: Society and Space</i>
<i>Geoforum</i> (2)	<i>Geographical Analysis</i> (3)
<i>GeoJournal</i> (3)	<i>Historical Geography</i>
<i>Int. J. of Geographic Information Sys.</i> (3)	<i>ISPRS Int. J. of Geo-Information</i> (3)
<i>International J. of Health Geographics</i> (7)	<i>J. of Geography &amp; Higher Education</i> (3)
<i>Journal of Regional Science</i> (2)	<i>Progress in Human Geography</i>
<i>Spatial Economic Analysis</i>	<i>Spatial Statistics</i>
<i>Tijdschrift voor Economische en Sociale Geografie</i>	<i>Transactions, Inst. of British Geographers</i>

### Medical Sciences & Public Health

<i>Addictive Behaviors</i> (4)	<i>AIDS and Behavior</i>
<i>AIMs Public Health</i> (2)	<i>American Journal of Clinical Nutrition</i>
<i>American J. of Preventive Medicine</i> (35+)	<i>American Journal of Public Health</i> (4)
<i>Annals of Behavioral Medicine</i>	<i>Applied Clinical Informatics</i>
<i>BMC Health Services Research</i> (2)	<i>Environmental Monitoring &amp; Assessment</i>
<i>Environmental Health Insights</i>	<i>Health Affairs</i>
<i>Health and Place</i> (10+)	<i>Health Promotion International</i>
<i>Journal of Healthcare Engineering</i>	<i>J. of Health Care for Poor &amp; Underserved</i>
<i>Int. J. of Environ. Res. &amp; Public Health</i> (2)	<i>Journal of Gerontology: Social Sciences</i> (3)
<i>Journal of Health and Social Behavior</i>	<i>Journal of Physical Activity and Health</i> (3)
<i>Journal of the Royal Society: Interface</i>	<i>Journal of Rural Health</i> (2)
<i>Journal of Urban Health</i>	<i>PLoS ONE (Public Library of Science)</i> (3)
<i>Preventive Medicine</i> (3)	<i>PNAS</i>
<i>Promotion &amp; Education</i>	<i>Research on Aging</i>
<i>Sexual &amp; Reproductive Healthcare</i>	<i>Social Science and Medicine</i> (4)

### Reviewing for Publishing Houses

- 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 - ) *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.

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## Reviewing for Funding Agencies

### *National Institute of Health (NIH) Reviewer*

*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 (February 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 (November 2005)

Kidney, Nutrition, Obesity, and Diabetes Epidemiology (KNOD) Panel (November 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 (November 2001).

SNEM-1 (Social Sciences, Nursing, Epidemiology and Methods Integrated Review Group, renamed Community Level Health Promotion (CLHP) in 2003), 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 February, June and October).

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

SBIR (Small Business Innovation Research Review)/ SNEM-4 (November 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

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***

#### ***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***

#### ***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**

Tenure & Promotion External Evaluations of promotion to Associate and to Full Professor (institutions redacted) – 2012, 2013 (x 3), 2014 (x 2), 2015, 2016 (x 3), 2017

Faculty Awards external (institutions redacted) – 2014, 2015

Pennsylvania Nutrition Education Network, member of “Research Committee” 2004-2007

Appalachian Cancer Network (CAN) Health Services Research Task Force Member (temporary), 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.

## CONFERENCES & WORKSHOPS (post-January 1, 2006)

### Organizing Conferences

**2016-2017** IUSSP Program Committee for Spatial Demography, IUSSP Meetings, Cape Town, South Africa, October-November, 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, October 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). March 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. September 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 December, 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 at The 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: February 20-22, 2009, San Diego, CA.

### Organizing GIS/Spatial Analysis Workshops

*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 (TBA, 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)

### Workshop Participation

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

### Invited Presentations

#### 2016

Demographic processes and global health. Conversations in Global Health Speaker Series, Penn State, February 11, 2016.

#### 2015

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, September 18, 2015.

#### 2014

Explorations in identifying contextual units relevant to life as lived: space, place, and mobility.

Minnesota Population Center, University of Minnesota, Minneapolis, MN. November 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. January 10, 2014.

#### 2013

The salience of place in the study of health and demographic outcomes. Department of Geography, Penn State, November 22, 2013

#### 2012

“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, November 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, March 10, 2012.

**2011**

What's a Tippy Tap? Promoting HandHygiene Among Uganda's School children Ce Zhang, Adam Mosa, and Stephen Matthews. Research Unplugged @ Penn State. October 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, October 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, October 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 Annual Meeting, Seattle, WA, April 16, 2011.

**2009**

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. October 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.

**2007**

Validating secondary data in studies of the neighborhood food environment. (with Steve Cummins and Brian Saelens) at NCI's conference on Measures of the Food and Built Environments: Enhancing Research Relevant Policy on Diet, Physical Activity, and Weight. Bethesda, MD. November 2, 2007. (presented with Steve Cummins).

GIS-related priorities for enhancing research relevant to policy on diet, physical activity, and weight (with Anne Vernez Moudon). 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. November 2, 2007.

Measuring Neighborhoods: Challenges and Opportunities for Social Science Researchers. Center for Studies in Demography and Ecology, University of Washington. October 26, 2007.

Local and Global Measures of Spatial Household Income Segregation (with Reardon, S.F., Firebaugh, G., and O'Sullivan, D). International Symposium on Hedonic Methods in Real Estate, Geneva, Switzerland, June 29-30, 2007. (presented by Sean Reardon).

Local and Global Measures of Spatial Household Income Segregation (with Reardon, S.F., Firebaugh, G., and O'Sullivan, D). New Frontiers in the Field of Segregation Measurement and Analysis Conference, Monte Verita, Switzerland, July 1-5, 2007. (presented by Sean Reardon).

The Geographical Scale of Metropolitan Racial Segregation (with Reardon, S.F., O'Sullivan, D., Lee, B.A., Firebaugh, G., and Farrell, C.R.). New Frontiers in the Field of Segregation Measurement and Analysis Conference, Monte Verita, Switzerland, July 1-5, 2007. (presented by Sean Reardon).

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.

**2006**

Beyond the Census Tract: Patterns and Determinants of Racial Residential Segregation at Multiple Scales. (with Barrett A. Lee [presenter], Sean F. Reardon, Glenn Firebaugh, Chad R. Farrell, Stephen A. Matthews, and David O'Sullivan. PRI Brown Bag, The Pennsylvania State University November 29, 2007.

**Papers at Conferences/Meetings****2017**

The legacy of slavery and contemporary declines in heart disease. (with Kramer MR, Black NC, and James SA). Population Association of America, Chicago, IL.

**2016**

- New methods for describing and measuring spatial-temporal exposure to multiple places: Developments from the Activity Space and Contextual Measures of Environmental Exposures (ASCMEE) Study (with Zenk SN, Li Z, Xiang A, Castellon-Kraft A, & McKinnon K.). Conference on Geospatial Approaches to Cancer Control and Population Sciences, Bethesda, MD. Sept. 13, 2016.
- Spatio-temporal survival analysis on prostate cancer in Pennsylvania (with Ming Wang (presenter), Li Z, and Vernon Chinchilli). Conference on Geospatial Approaches to Cancer Control and Population Sciences, Bethesda, MD. Sept. 13, 2016.
- Facilitating analysis of censored geospatial data: A primer on restricted data using the Kullback-Leibler divergence approach (with Tse-chuan Yang (presenter) and Daniel Kifer). Conference on Geospatial Approaches to Cancer Control and Population Sciences, Bethesda, MD. Sept. 13, 2016.
- 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 (ASCMEE) Study. (poster with Zenk SN, Li Z, Castellon-Kraft A, Wyrwa A, Nunez J, & Xiang A. (Accepted). Conference on Geospatial Approaches to Cancer Control and Population Sciences, Bethesda, MD. Sept. 12, 2016
- Modeling Spatial Inequality in Tehran Using Geographic Information Systems (with Hamidreza Rabiee-Dastjerdi, presenter). Surveying Iran: The Future of Social Research after the Nuclear Thaw, Budapest, Hungary, September 1-2, 2016. Awarded travel grant of \$800.
- Inferring censored geo-information with non-response data. (with Zhang Y (presenter), Yang TC, Kifer D) 12<sup>th</sup> International Conference on Machine Learning and Data Mining. New York, 16-21 July 2016.
- Multiple imputations of subregions with censored location data: A Kullback-Leibler divergence approach (with TC Yang (presenter) and Daniel Kifer). International Conference on Computational Social Science (IC2S2), Chicago, IL. June 23-26, 2016.
- Fast food restaurant accessibility and BMI in a nationwide, metropolitan sample of over 2.5 million U.S. adults (with Shannon Zenk (presenter), Elizabeth Tarlov, Lisa M. Powell, Coady Wing, Kelly Jones, and Hao Tong). The International Society For Behavioral Nutrition and Physical Activity, Cape Town, RSA, June 9, 2016.
- Latino Caregivers and Adolescents Activity Spaces: Going Beyond the Residential Neighborhood to Understand Place Effects (with Dawn Witherspoon (presenter), Mayra Bamaca-Colbert, Peter Kim, Sakshi Bhargava). Society for Research on Adolescence Biannual Meeting. Baltimore, MD, April 1, 2016.
- The contribution of places to metropolitan ethnorracial diversity: Decomposing change across space and over time (with Christopher S. Fowler (presenter) and Barrett Lee). Population Association of America Annual Meeting, Washington DC, April 2016.

**2015**

- Best practices and ethical considerations for social-spatial data use on the social determinants of health (with Danielle Henry (presenter), Michael Kramer, Adora Adimora, Hannah Cooper, Regine Haardoefer, and Gina Wingood). American Public Health Association. Chicago, IL, Nov 2, 2015. ***Awarded Second Place in the Student Ethics Poster Competition.***
- GPS-derived fast-food restaurant exposure and dietary choice in African American women (with Kelly Jones (presenter), Shannon Zenk and Ana Clara Duran). American Public Health Association. Chicago, IL, Nov 2, 2015.

- A nationwide, longitudinal study of food store accessibility and adult BMI (with Shannon Zenk (presenter), Elizabeth Tarlov, Lisa Powell, Coady Wing, Kelly Jones, Ana Clara Duran, and Brian Bartle) American Public Health Association. Chicago, IL, Nov 3, 2015.
- Quantifying spatial polygamy among low-income housing residents in NYC: A GPS study (with Dustin Duncan (presenter), Sean Regan, Basile Chaix, William Goedel, Kenneth Pass, Maliyhan Al-Bayan, Brittany Gozlan, James Williams, Shilpa Dutta, Abebayehu Yilma, and Brian Elbel) American Public Health Association. Chicago, IL, Nov 3, 2015.
- Developing a multidisciplinary network of established and emerging scholars on migration, urbanisation, and health in Southern Africa (with Tolu Oni (presenter) Pan University Network for Global Health University of Cape Town, Cape Town, South Africa, Oct 12, 2015.
- Enhancements to a geographically weighted quantile-based analysis of the context of applications to ecological data. (with Vivien Chen (presenter), Tse-chuan Yang). Asian Conference on Civil, Material and Environmental Sciences (ACCMES), Osaka, Japan, Aug 25-27, 2015.
- The Spatial Diffusion of Racial and Ethnic Diversity across U.S. Counties (with Michael JR Martin and Barrett A. Lee) Paper at the Population Association of America Annual Meeting, San Diego, CA, May 2015.
- Income inequality and mortality in US counties, 1990-2010: A dynamic spatial panel analysis (with Tse-Chuan Yang and Kiwoong Park). Poster at the Population Association of America Annual Meeting, San Diego, CA, May 2015. **Poster Award Winner**.
- Development of a smartphone app to promote active travel to a large university campus (with Melissa Bopp, Dangaia Sims, JC Cogan, Liza Rovnik, and Erica Poole). Poster at the Society of Behavioral Medicine, San Antonio, TX, April 22-25, 2015.

## 2014

- Relative contributions of residential neighborhood and activity space recreational open space to physical activity in African American women. Poster (with Kelly Jones (presenter) and Shannon Zenk). American Public Health Association. New Orleans, LA. November, 2014. Honorable mention in poster competition.
- To switch or not to switch? Examining the complexity of store choice when a new supermarket opens. (with Steven Cummins, Ellis Logan [presenter], and Beatrice Abiero). American Public Health Association. New Orleans, LA. November, 2014.
- Incorporating Spatial and Network Perspectives in the Study of Urban Poverty and Neighborhood Effects on Crime (with Corina Graif [presenter] and Andrew S. Gladfelter). American Sociological Association, San Francisco, CA, August, 2014.
- Engineering Online and In-Person Social Networks for Physical Activity: Results of a Randomized Controlled Trial (with Liza Rovniak [presenter], Ding Ding, Christopher Sciamanna, James Sallis, Jennifer Kraschnewski, Chester Ray, Melbourne Hovell). International Society of Behavioral Nutrition and Physical Activity Annual Meeting, San Diego, CA, May 2014.
- Death by segregation: Does the dimension of racial segregation matter? (with Tse-Chuan Yang and Hui-Shien Tsao). Population Association of American Annual Meetings, Boston, MA, May 2014.

## 2013

- Predictors of care for early-stage breast cancer in Appalachia (with Gretchen Kimmick and others). Poster at the 2013 Annual Meeting of the American Society of Clinical Oncology (ASCO), June 3, 2013, Chicago, IL.
- Child Neglect & Neighborhood Exposure: A Call for Innovation in Methods to Study Neighborhood Influence on Parenting (with Sandra T. Azar, and Michael T. Stevenson) Poster at the Annual Meeting of the 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 Jeffrey L Bevan, Shannon N Zenk, Stephen A Matthews, Amy J Schulz, Louis Fogg, & Carmen Stokes). Poster at the 37<sup>th</sup> Midwest Nursing Research Society, March 10, 2013, Chicago, IL. USA.

**2012**

- 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 Daniel Parker, Wanna Srisatjarak, Rujira Lerdprom, Guiyun Yan, Jetsumon Prachumsri, Liwang Cui, Jeeraphat Sirichaisinthop). Poster at the 61st Annual Meeting of the American Society of Tropical Medicine & Hygiene, Nov. 13, 2012, Atlanta, GA, USA
- 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, London, UK, Sept. 14, 2012.
- Exploring heterogeneities in health outcomes and space: Integrating quantile and geographically weighted regression (with TC Yang, V Y-J Chen). Presented at the Population Association of American Annual Meetings, San Francisco, CA, May 2012.

**2011**

- Breast cancer treatment resources and guideline-concordant radiation therapy after breast conservation surgery in Appalachia: A geospatial perspective (with Nengliang Yao, Marianne Hillemeier, Roger Anderson). Poster presented at 2011 American Society of Clinical Oncology: Breast Cancer Symposium, San Francisco, CA; September 2011.
- Using geoethnography to explore the relationship between people and place: A study of low-income families in small town and rural areas (with Carla Shoff). Presented at the 74<sup>th</sup> Annual Meeting of the Rural Sociological Society, Boise, ID, July 30, 2011.

**2010**

- The impact of alcohol outlet density on the clustering of underage drinking behaviors within neighborhoods (with Beth A. Reboussin [presenter], Eun-Young Song, Mark Wolfson). Poster presented at The Society for Prevention Research June Denver, CO.

**2009**

- 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 Tse-chuan Yang [presenter]). GIS in the Humanities and Social Sciences International Conference. Acedemia Sinica, Taipei, Taiwan October 7-9, 2009.
- Dissolution of extended-family households in Northern Orkney, Scotland, 1851-1901 (with Julia Jennings [presenter], Tim Murtha, Jim Wood, Pat Johnson, Corey Sparks) Presentation at the XXVI International Union for the Scientific Study of Population (IUSSP), Marrakech, Morocco Sept 27-Oct 2, 2009.
- The spatial dimensions of population growth and decline; using GIS and remote sensing to understand landscape and demographic history in Orkney, Scotland (with Tim Murtha [presenter], Jim Wood, Pat Johnson) Presentation at the XXVI International Union for the Scientific Study of Population (IUSSP), Marrakech, Morocco Sept 27-Oct 2, 2009.
- Exploring the determinants of stress: an examination using spatial and multilevel analysis in Philadelphia (with Tse-chuan Yang [presenter]) Paper at the Population Association of America Annual Meetings May 1 2009, Detroit, MI.
- Dissolution of extended-family households in Northern Orkney, Scotland, 1851-1901 (with Julia Jennings [presenter], Corey Sparks, Jim Wood, Pat Johnson and Tim Murtha) Paper at the Population Association of America Annual Meetings May 1 2009, Detroit, MI.
- Spatio-temporal dimensions of population history, settlement patterns, and landscape archaeology in Orkney (1750-2000) (with Tim Murtha [presenter], Jim Wood, Pat Johnson). Presentation at the Computer Applications and Quantitative Methods in Archeology, Williamsburg, VA, March 22-26, 2009.

**2008**

- Geospatial measurement and analysis of physical activity: Physical Activity Location Measurement System (PALMS) (with Kevin Patrick [presenter], Jacqueline Kerr, Greg Norman, Jim Sallis, I Kruger, W Griswold, B Demchak, S Dietrich, Fred Raab, Dane Lotspeich, J Wolf, B Ainsworth). International Society for Environmental Epidemiology Annual Conference, Pasadena, CA, October 12-16, 2008. Abstract. *Epidemiology*: 19(6), S63 online at [http://journals.lww.com/epidem/Fulltext/2008/11001/Geospatial\\_Measurement\\_Analysis\\_Of\\_Physical.186.aspx](http://journals.lww.com/epidem/Fulltext/2008/11001/Geospatial_Measurement_Analysis_Of_Physical.186.aspx)
- Historical demography, oral history, settlement archaeology, and landscape ecology: The North Orkney Population History project (with Tim Murtha [presenter], Pat Johnson, Jim Wood, Julia Jennings) Presentation at the European Population Conference, Barcelona, Spain, July 9-12, 2008.
- Innovation in Measuring Access and Utilization of Community Assets in Health Research (with Lori Francis [presenter]). Presentation at the International Conference on Community Psychology, Lisbon, Portugal, June 4-6, 2008.
- Spatial and multilevel models of neighborhood food environments, diet and obesity in Philadelphia, USA, 2006 (with Steve Cummins, Tse-Chuan Yang, Richard M. Simon). Poster at the International Society for Behavioral Nutrition and Physical Activity, Banff, Canada, May 21-24, 2008.
- From Census Tracts to Local Environments: An Egocentric Approach to Neighborhood Change (with Barrett Lee [presenter], Sean Reardon, Chad Farrell, Glenn Firebaugh) Urban Affairs Association, Baltimore, MD, April, 2008.

**2007**

- Neighborhood Food Environment, Diet and Health Quasi Experimental Study (co-presented with Steven Cummins). Presentation to the National Institute of Environmental Health Science 2<sup>nd</sup> Obesity and Built Environment Meeting, Durham, NC September 5-6, 2007.
- Ground truths? Validating secondary data in studies of the neighborhood food environment. (co-presented with Steven Cummins and Brian Saelens). Presentation to the National Institute of Environmental Health Science 2<sup>nd</sup> Obesity and Built Environment Meeting, Durham, NC September 5-6, 2007.
- Neighborhood food environments, diet and obesity in Philadelphia: The FFFI Study (with Steven C.J. Cummins [presenter], Johanna Bissat, and Brian McManus). Symposium paper to be presented at the 6th Annual Meeting of The International Society For Behavioral Nutrition and Physical Activity, June 20-23, 2007 in Oslo, Norway.
- Influence of perceived rewards for pro-social involvement in school on lifetime smoking among students in Cape Town, South Africa (poster with Tamika Gilreath, Basile Chaix, Gary King, and Alan Flisher). Society for Prevention Research, May 30-June 1, 2007.
- Methods for Studying the Geographical Scale of Metropolitan Racial Segregation (with Firebaugh G. [presenter], S.F. Reardon, B. A. Lee, K. Bischoff, C.R. Farrell, and D. O'Sullivan). Paper presented at the meeting of the International Sociological Association Research Committee on Stratification, Brno, Czech Republic. May 25, 2007.
- Patterns and trends in the spatial scale and magnitude of racial residential segregation, 1980-2000 (with Sean Reardon [presenter], Barrett Lee, Chad Farrell, David O'Sullivan, Glenn Firebaugh, and Kendra Bischoff). Paper at the Population Association of America Annual Meetings March 2007, New York, NY.

**2006**

- Spatiotemporal dynamics of population change in the Northern Islands of Orkney, Scotland, c. AD 1750-2000 (with James Wood [presenter], Patricia Johnson, Timothy Murtha, and Cory Sparks). 2006. Poster prepared for the NSF Human Social Dynamics Awardee Meeting Washington D.C., September 14-15, 2006.
- 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, Durham, NC August 28, 2006.

- A new approach to measuring socio-spatial economic segregation (with Sean F. Reardon [presenter], Glenn Firebaugh, and David O’Sullivan). Paper at the 29th General Conference of the International Association for Research in Income and Wealth. Joensuu, Finland, August 20 – 26, 2006.
- Segregation and scale: the use and interpretation of spatial segregation profiles for investigating the causes, patterns, and consequences of residential segregation (with Sean F. Reardon [presenter], David O’Sullivan, Barrett A. Lee, Glenn Firebaugh, and Chad R. Farrell). Paper at the Population Association of America Annual Meetings March 2006, Los Angeles, CA.
- Patterns and correlates of racial residential segregation: a spatially refined approach (with Barrett A. Lee, Glenn Firebaugh, Chad R. Farrell, Sean F. Reardon [presenter], and David O’Sullivan) Paper at the Population Association of America Annual Meetings March 2006, Los Angeles, CA.
- Visualizing Orkney: Landscape archaeology and demography of the Northern Isles (with Tim Murtha [presenter], James Wood, Patricia Johnson, and Corey Sparks). Paper at the Computer Applications in Archaeology Fargo, ND.
- Spatial inequality in Chile: Stasis and change (with Leif I. Jensen [presenter] and Tse-chuan Yang). Paper at the Population Association of America Annual Meetings March 2006, Los Angeles, CA.

### **Other Conference Participation**

- Organizer, Sessions on “Spatial Demography” IUSSP, Cape Town, South Africa. October 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 Annual Meeting, 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, October 8, 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 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 & 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 Annual Meeting (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 Annual Meeting (Chicago, IL); Association of American Geographers (Boston, MA); Eastern Sociological Society Annual Meeting (Philadelphia, PA); AAAS (Philadelphia, PA).
- 1997** Association of American Geographers Annual Conference. Fort Worth, TX. April, 1997.
- 1996** Middle States Meeting of the Association of American Geographers (Philadelphia, PA); Population Association of America (New Orleans, LA); Association of Population-Family Planning Libraries and Information Centers-International Annual Meeting (New Orleans, LA); Participation, People, and Sustainable Development: Understanding the Dynamics of Natural Resource Systems (Rampur, Nepal); Internet Connections: Communicating with LDCs on Population & 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 Annual Meeting (San Francisco, CA).
- 1994** (Sixth) International Medical Geography Symposium (Vancouver, Canada); Association of American Geographers Annual Conference (San Francisco, CA).
- 1992** American Geographers Annual Conference (San Diego, CA).
- 1991** Regional Science Association Annual Meeting (New Orleans, LA); Association of American Geographers Annual Conference (Miami, FL).
- 1990** Association of American Geographers Annual Conference (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 Annual Conference (Baltimore, MD).
- 1988** Association of American Geographers Annual Conference (Phoenix, AZ); Institute of British Geographers Annual Conference (Loughborough, UK).
- 1987** European Colloquium on Theoretical and Quantitative Geography (Bardonecchia, Italy)
- Other Conference Participation – Discussant & 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** Association of American Geographers Mid-States Conference (Philadelphia, PA); International Conference on Applied and Business Demography (Bowling Green, OH); Association of Population/Family Planning Libraries and Information Centers-International Annual Meeting (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, British Columbia, 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).

## TEACHING INTERESTS

### Substantive:

Health, Disease, Society  
Demography  
Urban/Spatial Inequality

### Methodological

Geographic Information Systems  
Spatial Analysis

## Courses Taught

### The Pennsylvania State University (1994 - present)

#### Graduate

Demography 590: Demography Colloquium (Professional Development Seminar)

Sociology 579/Anthropology 579: Spatial Demography

Sociology 501: Pro-Seminar 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 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 in Applied Demography*

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

#### Undergraduate

Spatial Inequality (Sociology 497X, approved/taught as Sociology 452)

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

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, in Geography)

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

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 (October 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 (October 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) Spatial inequality in infant mortality in Nigeria.

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**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) and Quantitative Methods (TA)

## GRADUATE STUDENTS

### Graduate Student Supervision (\* = Demography Student)

#### Current

##### Chair/Co-Chair+

- 3 Ph.D. students, Sociology (Ellis Logan\*, Rachel Bacon\*, Jack Byerly\*)
- 1 Ph.D. student, Human Development and Family Studies (Peter Kim\*+)
- 2 Masters students, Sociology (Maggie Houchen\*, Robert Zuchowski\*)

##### Committee Member

- 2 Ph.D. students, Anthropology (Saige Kelmelis,\* Anna Tremblay\*)
- 1 Ph.D. student, Agricultural Economics (Minghao Li)
- 1 Ph.D. student, Sociology and Criminology (Lauren Hannscott\*)
- 3 MA/Ph.D. students, Geography (Audrey Lumley-Sapanski, Jennifer Smith, Travis Young\*)
- 1 Ph.D. student, Architecture (Irem Oz)

#### Past Graduate Students (at Penn State)

##### Past – Chair/Co-chair+

- 4 Ph.D. students, Sociology (Nyesha Black\*, Bina Gubhaju\*, Claudia Nau\*, Aliza Richman\*+)
- 3 M.A. students, Sociology (Nyesha Black\*, Luis Sanchez\*+, Ellis Logan\*+)
- 1 Ph.D. student, Anthropology (Johanna Gisladdottir Bissat\*+)

##### Past – Committee Member – PhD

- 1 Ph.D. student, Agricultural, Environmental and Regional Economics (Danhong Chen\*)
- 2 Ph.D. students, Anthropology (Julia Jennings\*, Daniel Parker\*)
- 1 Ph.D. student, Crime, Law and Justice (Karen Hayslett-McCall)
- 1 Ph.D. student, Criminology (Andrew (Drew) Ritchey)
- 4 Ph.D. students, Geography, (Kurt Fuellhart, Beth Zeleny\*, Amy Griffin, Jennifer Adams)
- 2 Ph.D. students, Health Policy Analysis (Mark Milliron, Aaron Yao\*)
- 1 Ph.D. student, Kinesiology (Dangaia Sims)
- 1 Ph.D. student, Political Science (Kanisha Bond)
- 7 Ph.D. students, Rural Sociology (Jennifer Steele, Prem Bhandari\*, Alisha Coleman\*, Carla Shoff\*, David Ader\*, Yetkin Borlu, Danielle Rhubar\*)
- 6 Ph.D. students, Sociology (Glynis Daniels\*, James Cameron\*, Matthew Marlay\*, Peter Mateyka\*, Michele Steinmetz\*, Matthew Schroeder\*)

##### Past – Committee Member – Masters

- 1 M.A. student, Agricultural Economics (Mario Picon\*)
- 1 M.A. student, Geography, Co-Advisor (Netra Chhetri\*)
- 3 M.A. students, Geography (Jason Allard, Jen Gober, Daniel Haug)
- 1 M.A. student, Landscape Architecture (Amruta Sakalker)
- 3 M.A. students, Sociology (Stacy Woodruff, Lauren Hughes\*, Christopher Prather\*)

Served temporarily on at least ten PhD and MA committees at PSU – including

In Anthropology:	Jennifer Kirker, Nicole Goodwine, and 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, and Jason Smith*

Past - MGIS Chair/Mentor

6 Masters in GIS (MGIS) Program students:  
Brett Beardsley, Aimee Belanger-Haas, Amanda Dulin,  
Samuel Jehle, Rob Lyerla, and Tony Van der Wielen

External Ph.D. Committee member/examiner

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)

External MSc Committee member/examiner

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 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).

## **SERVICE TO THE UNIVERSITY**

### **The Pennsylvania State University**

#### **University**

- 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
- 2016-present Enhancing Health Steering Committee, Penn State University's Strategic Plan

#### **Penn State's Graduate School**

- 2015 Senior Associate Dean of the Graduate School – Search Committee member
- 2016-present Judge at Annual Graduate Exhibition events

#### **Social Science Research Institute**

- 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-present 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-present
- 1994-1997 Joint Committees of the Information and Computer Cores – co-chair

#### **Center for Population Health and Aging**

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

#### **Global Health Network**

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

#### **Childhood Obesity Prevention Training Program (COPT), USDA**

- 2015 Reviewer of seed funding/pilot grants.

**College of the Liberal Arts**

2010-2011 & 2013-present Future Funded Faculty (F<sup>3</sup>) – faculty mentor program  
 2016- *Ad hoc committee*, Certificate in Survey Research

**Department of Sociology**

2016 - present Graduate Placement Committee, Chair  
 2015 - present Coordinator for MPS in Applied Demography Search Committee, Chair  
 2014 - present World Campus Committee – chair/coordinator responsible for the development of a Professional Masters Program in Applied Demography  
 2013-2015 Stratification Conference Organizing Committee – member  
 2012-present Graduate Committee – member  
 2010-present 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**

2014-present 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 Rural Sociology**

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

**Department of Geography & co-hire with African Studies**

2014-2015 Search Committee, Africa/Health/Environment position

**World Campus/Department of Geography/Certificate and Masters in GIS Programs**

2005-present Member of the advisory board to the Masters in GIS (MGIS) program at Penn State.



**Other Committees/Groups**

- 2004-2007 Advisory Committee on Dr. Gary King's 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 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)

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. (Dual-Title Program in Demography Graduate Student \*)

Research Assistants (2000-2015)

Beatrice Abiero,\* Rachel Bacon,\* Johanna Yngvason Bissat,\* Nyesha Black,\* Alistair Geddes, Bina Gubhaju,\* Maggie Houchen,\* Ellis Logan,\* Matthew Marlay,\* Claudia Nau,\* Daniel Parker,\* Luis Sanchez,\* Carla Shoff,\* Richard Simon, Jenny Smith Mason, 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), chair (1998 - 2002)

### Professional Affiliations (Past & Present)

#### Association of American Geographers

at various times 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

**International Union for the Scientific Study of Populations** Chair, Scientific Panel on Spatial Demography (2014-2017), Session Coordinator for 2017 Cape Town meeting

#### Population Association of America

Task-Force on Information Technology and Information Dissemination (1994-97); Session organizer (1996, 2010, 2017); GIS Workshop Organizer 1998-2003); PAA Program Organizing Committee (2012 Meeting, San Francisco, CA & 2014 Meeting, Boston, MA); *Demography* editorial board (2010-2016), Deputy Editor (2016), Co-Editor (2016-2019).

#### Royal Geographical Society and the Institute of British Geographers

(Quantitative Methods, Health and Health Care Geography, Geography and Women, Population Geography and the Urban Geography Study Groups).

### EMPLOYMENT HISTORY

#### Administrative

2013- Director, Graduate Program in Demography, Graduate School, Penn State.  
 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

2014- Professor of Sociology, Anthropology, and Demography (Courtesy Geography).  
 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.

**REFEREES** - Available on request