Stephen A. Matthews, Ph.D.

Contact Address
Department of Sociology
The Pennsylvania State University
211 Oswald Tower,
University Park. PA 16802-6211

814 863-9721 (Office)
814 865-0486 (PRI-main)
814 863-8342 (FAX)
E-mail: matthews@psu.edu or
psu.stephen.matthews@gmail.com

ORCID identifier is 0000-0002-1645-4854 (Public site: http://orcid.org/0000-0002-1645-4854)
Scopus Author ID: 7201477376
Google Scholar: http://scholar.google.com/citations?user=p1ldGbQAAAAJ&hl=en
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

* Matthews SA (Forthcoming, 2017) Uncertain Geographic Context Problem. In **The International Encyclopedia of Geography**, Douglas Richardson et al. (eds). Malden, Oxford: John Wiley & Sons, Ltd.

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

Published

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 ethnoracial diversity: decomposing change across space and over time. **Demography** 53(6):1955-1977. DOI 10.1007/s13524-016-0517-3

Rovniak LS, Kong L, Hovell MF, Ding D, Sallis JF, Ray CA, Kraschnewski JL, Matthews SA, Kiser E, Chinchilli VM, George DR, Sciamanna CN. (2016) Engineering online and in-person social networks for physical activity: A randomized trial. **Annals of Behavioral Medicine** 50(6):885-897. DOI:10.1007.s12160-016-9814-8

Kramer MR, Raskind I, VanDyke M, Matthews SA, Cook J. (2016) The geography of adolescent obesity in the United States, 2007-2011. **American Journal of Preventive Medicine** 51(6):898-909. DOI:10.1016/j.amepre.2016.06.016

Short PF, Moran JR, Yang TC, Camacho F, Gusani NJ, Mackley HB, Matthews SA, Anderson RT. (2016) Effects of hospital type and distance on lymph node assessment for colon cancer patients in metropolitan and non-metropolitan Appalachian counties. **Medical Care Research and Review** 73:546-564. DOI:10.1186/s12936-015-0712-5

Haley D, Matthews SA, Cooper HL, Haardörfer R, Adimora AA, Wingood GM, Kramer MR. (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

Winchester M, BeLue R, Oni T, Wittwer-Backofen U, Deobagkar D, Onya H, Samuels TA, Matthews SA Stone C, Airhihenbuwa C. (2016) The Pan University Network for Global Health: Framework for collaboration and review of global health needs. **Globalization and Health** 12:13 DOI 10.1186/s12992-016-0151-2 URL: http://globalizationandhealth.biomedcentral.com/articles/10.1186/s12992-016-0151-2

Fleming ST, Mackley HB, Camacho F, Yao N, Gusani NJ, Seiber EE, Matthews SA, Yang T-C, Hwang W. (2016) Patterns of Care for Metastatic Colorectal Cancer in Appalachia, and the Clinical, Sociodemographic, and Service Provider Determinants **Journal of Rural Health** 32(2):113-124. DOI:10.1111/jrh.12132

Wilson D, Bopp M, Coglan 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.

Matthews SA, Logan ES, Bacon R (2015) Spatial analysis. In **Oxford Bibliographies Online – Sociology**, Ed. Janeen Baxter. New York: Oxford University Press. DOI:10.1093/OBO/9780199756384-0058

*Lee BA, Matthews SA, Firebaugh G, Iceland J (2015) Residential inequality: Overview and orientation. **The Annals of the American Academy of Political and Social Science** 660:8-16 (July, 2015). DOI:10.1177/0002716215579832

*Firebaugh G, Iceland J, Matthews SA, Lee BA (2015) "Residential Inequality: Significant findings and policy implications. **The Annals of American Academy of Political and Social Science** 660:360-366 (July, 2015). DOI:10.1177/0002716215580060

Parker DM, Matthews SA, Yan G, Zhou G, Lee M-C, Sirichaisinthop J, Kiattibutr K, Sattabongkot J, Cui L. (2015) Microgeography and molecular epidemiology of malaria at the Thailand-Myanmar border in the malaria pre-elimination phase. **Malaria Journal** 14(1):198. DOI:10.1186/s12936-015-0712-5 http://www.malariajournal.com/content/14/1/198

Kimmick GG, Camacho F, Kern T, Fleming S, Liao J, Matthews SA, Hwang W, Mackley HB, Lipscomb J, Yao N, Anderson, RT (2015). Age, socioeconomic status, geographic region, and provider characteristics associated with receipt of guideline-concordant care for stages I-III breast cancer in Appalachia. **Journal of Oncology Practice** 11(1):e9-e18. DOI:10.1200/JOP.2014.001.397

Graif C, Gladfelter AS, Matthews SA. (2014) Urban poverty and neighborhood effects on crime: Incorporating spatial and network perspectives. **Sociology Compass** 8/9:1140-1155 . DOI: 10.1111/soc4.12199

Anderson RT, Yang 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. PMC: 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. PMCID: PMC3851937 DOI 10.1007/s12529-013-9293-2

Cummins S, Flint E, Matthews SA. (2014) New neighborhood grocery store increased awareness of food access but did not alter dietary habits or obesity. **Health Affairs** 33(2):283-291. DOI: 10.1377/hlthaff.2013.0512 PMC 4201352

Health Affairs forth highest read article in 2014
http://healthaffairs.org/blog/2015/01/13/cms-spending-report-leads-health-affairs-2014-top-ten-list/

Cummins S, Flint E, Matthews SA. (2014) Grocery stores and obesity: The authors reply. **Health Affairs** 33(5):907. DOI: 10.1377/hlthaff.2014.0290

Fleming ST, Mackley HB, Camacho F, Seiber EE, Gusani NJ, Matthews SA, Liao J., Yang 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

Duncan DT, Kawachi I, Kum S, Aldstadt J, Piras G, Matthews SA, Arbia G, Castro MC, White K, Williams DR. (2014) A spatially explicit approach to the study of socio-demographic inequality in the spatial distribution of trees across Boston neighborhoods. **Spatial Demography** 2(1):1-29. DOI:10.1007.BF03354902 http://spatialdemography.org/wp-content/uploads/2014/03/Duncan.pdf

Li N, Parker DM, Yang Z, Fan Q, Zhou G, Ai G, Duan J, Lee M-C, Yan G, Matthews SA, Cui L, Wang Y. (2013) Risk factors associated with slide positivity among febrile patients in a conflict zone of north-eastern Myanmar along the China-Myanmar border. **Malaria Journal** 12:361 http://www.malariajournal.com/content/12/1/361 DOI: 10.1186/10.1186/1475-2875-12-361 PMC3852943

Yang 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 PMC 3761213.

Rovniak LS, Sallis JF, Kraschnewski JL, Sciamanna CN, Kiser EJ, Ray CA, Chinchilli V, Ding D, Matthews SA, Bopp M, George DR, Hovell MF. (2013) Engineering online and in-person social networks to sustain physical activity: Application of a conceptual model. **BMC Public Health** 13:753 DOI 10.1186/1471-2458-13-753 URL: http://www.biomedcentral.com/1471-2458/13/753 PMC 3844372.

Flint E, Cummins S, Matthews SA. (2013) Do perceptions of the neighborhood food environment predict fruit and vegetable intake in low-income neighborhoods? **Health and Place** *24:11-15.*

Matthews SA, Yang T-C (2013) Spatial Polygamy and Contextual Exposures (SPACEs): Promoting activity space approaches in research on place and health. **American Behavioral Scientist** 57(8):1057-1081. DOI 10.1177/0002764213487345 PMC: 3975622

Zhang C, Mosa AJ, Hayward AS, Matthews SA (2013) Promoting clean hands among Uganda's children: A school-based intervention using tippy-taps. **Public Health** 127(6):586-589. DOI: 10.1016/j.puhe.2012.10.020 PMC: 4065016

Yao N, Matthews SA, Hillemeier MM, Anderson RT (2013) Radiation therapy resources and guideline-concordant radiotherapy for early-stage breast cancer patients in an underserved region. **Health Services Research** 48(4):1433-1449. DOI: 10.1111/1475-6773.12047 PMC: 3703497

Matthews SA, Parker DM. (2013) Progress in spatial demography. **Demographic Research** Volume 28, Article 10, 271-312. DOI: 10.4054/DemRes.2013.28.10

Yang 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

Fuller D, Cummins S, Matthews SA (2013) Does transportation mode modify associations between distance to food store, fruit and vegetable consumption and BMI in low income neighborhoods? **American Journal of Clinical Nutrition** 97(1):167-172. DOI:10.3945/ajcn.112.036392 PMID: 23193006 PMC3712124

Zenk SN, Schulz AJ, Odoms-Young A, Wilbur J, Matthews SA, Gamboa C, Wegrzyn L, Hobson S, Stokes C (2012). Feasibility of using global positioning systems (GPS) with diverse urban adults: Before and after data on perceived acceptability, wear-related concerns, and ease of use. **Journal of Physical Activity and Health** 9(7): 924-934. PMID 21952361 PMC339715

Yao N, Matthews SA, Hillemeier MM (2012) White infant mortality in Appalachian states, 1976-1980 and 1996-2000: changing patterns and persistent disparities. **Journal of Rural Health** 28(2):174-182. DOI:10.1111/j.1748-0361.2011.00385.x PMID: 22458318 PMC 3733175.

Shoff C, Yang 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. PMCID: PMC3569028

*Matthews SA (2012) Thinking about place, spatial behavior, and spatial processes in childhood obesity **American Journal of Preventive Medicine** 42(5):516-520. (Guest editor) DOI:10.1016/j.amepre.2012.02.004. PMID 22516493 PMC3755945.

Yang T-C, Chen VY-J, Shoff C, Matthews SA (2012) Using quantile regression to examine the effects of inequality across the mortality distribution in the US counties. **Social Science and Medicine** 74:1900-1910 DOI:10.1016/j.socscimed.2012.02.029. PMID 22497847 PMC3348237 NIHMSID: NIHMS365347

Chen VY-J, Deng W-S, Yang 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. PMC4204738

Gilreath TD, Chaix B, King G, Matthews SA, Flisher AJ (2012) Multi-level influence of school norms on tobacco use in South Africa: An ecometric consideration of group differences. **Cancer Causes and Control** 23:27-36. DOI 10.1007/s10552-012-9908-y

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 PMID: 22321903 PMC: 3319514.

Matthews, SA, Yang T-C (2012) Mapping the results of local statistics: Using geographically weighted regression. **Demographic Research** Volume 26, Article 6, 151-166. DOI:10.4054/DemRes.2012.26.6. PMC: 4286400.

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.

Zenk SN, Schulz AJ, Matthews SA, Odums-Young A, Wilbur J, Wegrzyn L, Gibbs K, Braunschweig C, Stokes C (2011) Activity space environment and eating and physical activity behaviors: a pilot study. **Health & Place** 17:1150-1161. DOI:10.1016/j.healthplace.2011.05.001. PMID: 21696995; PMC3224849.

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; 2nd edition to be co-authored with Ellis Logan and Rachel Bacon)

Yang T-C, Matthews SA, Hillemeier M (2011) Effect of health care system distrust on breast and cervical cancer screening in Philadelphia, Pennsylvania. **American Journal of Public Health** 101(7):1297-1305. DOI:10.2105/AJPH.2010.300061 PMID: 21566035; PMCID: PMC3110214.

Matthews SA. McCarthy JD, Rafail PS (2011) Using ZIP Code Business Pattern data to measure alcohol outlet density. **Addictive Behaviors** 36:777-780. DOI: 10.1016/j.addbeh.2011.02.009 PMID: 21411233; PMC3977340

Matthews SA, Yang T-C (2010) Exploring the role of built and social neighborhood environments in moderating stress and health. **Annals of Behavioral Medicine** 39:170-183. DOI: 10.1007/s12160-010-9175-7 PMID: 20300905. PMC4017772

Matthews SA, Yang T-C, Hayslett KL, Ruback RB (2010) Built environment and property crime in Seattle, 1998-2000: A Bayesian analysis. **Environment and Planning A** 42:1403-1420. DOI:10.1068/a42393. PMC3984884.

Yang, TC, Matthews SA (2010) The role of social and built environments in predicting self-rated stress: A multilevel analysis in Philadelphia. **Health and Place** 16:803-810. DOI:10.1016/j.healthplace.2010.04.005 PMID: 20434389; PMC3200568.

Gubhaju B, Matthews SA (2009) Women's empowerment, sociocultural context, and reproductive behavior in Nepal. **Asia-Pacific Population Journal** 24(2): 25-50.

Matthews SA, Moudon AV, Daniel M (2009) Using Geographic Information Systems (GIS) for enhancing research relevant to policy on diet, physical activity, and weight. **American Journal of Preventive Medicine** 36(4S):171-176. DOI:10.1016/j.amepre.2009.01.011 PMID: 19285210.

Reardon SF, Farrell CR, Matthews SA, O'Sullivan D, Bischoff K, Firebaugh G (2009) Race and space in the 1990s: changes in the geographic scale of racial residential segregation, 1990-2000. **Social Science Research** 38:55-70. DOI:10.1016/j.ssresearch.2008.10.002 PMID: 19569292. PMC 4057018

Lee BA, Reardon SF, Firebaugh G, Farrell CR, Matthews SA, O'Sullivan D (2008). Beyond the census tract: patterns and determinants of racial segregation at multiple geographic scales. **American Sociological Review** 73:766-791. DOI: 10.1177/000312240807300504 PMC 4196718.

Reardon SF, Matthews SA, O'Sullivan D, Lee BA, Firebaugh G, Farrell CR, Bischoff K (2008) The geographic scale of metropolitan racial segregation. **Demography** 45(3):489-514. PMID: 18939658; PMC2831394.

*Matthews SA (2008) The salience of neighborhoods: lessons from early Sociology? (Guest commentary) **American Journal of Preventive Medicine** 34(3):257-259. DOI:10.1016./j.amepre.2007.12.001 PMID: 18312814.

Matthews SA, Detwiler J, Burton LM (2005) Geoethnography: coupling geographic information analysis techniques with ethnography methods in urban research. **Cartographica** 40(4):75-90.

As of March 2014: this article was listed among the ten most-cited articles in the history of Cartographica, Scopus Database. See http://www.utpjournals.com/cartographica.html (under News & Noteworthy)

Kaduri P, Gilreath T, Kilonza G, King G, Flisher A, Matthews SA (2005) The influence of social networks on adolescent smoking in Dar es Salaam, Tanzania. **Promotion and Education** 12(2):10-14. PMID: 16429759.

Matthews SA, Shivakoti GP, Chhetri NB (2000) Population forces and environmental change: observations from Western Chitwan, Nepal. **Society and Natural Resources** 13(8):763-775.

Matthews SA, Ribar D, Wilhelm M (1997) The effects of economic conditions and access to reproductive health services on state abortion and birth rates. **Family Planning Perspectives** 29 (2):52-60.

*Matthews SA (1995) Geographies of women's health. **Geoforum** 26(3):239-245.

Matthews SA, Rosenberg M (1995) Teaching medical geography. **Journal of Geography in Higher Education** 19(3):317-334.

Matthews SA (1993) Curriculum re-development: medical geography and women's health. **Journal of Geography in Higher Education** 17(2):91-102.

Matthews SA (1993) Using citation databases for something useful. **Area** 25(3):309-313.

Matthews SA (1990) Epidemiology using a GIS: a need for caution. **Computers, Environment and Urban Systems** 14(3):213-21.

Matthews SA (1990) Gastric cancer: an epidemiological review. **Environmental Geochemistry and Health** 12(2):201-214. DOI:10.1007/BF01782983

Batty M, Matthews SA (1988) Relationships between teaching and research? A comment on Knight's findings. **Area** 20(2):158-62.

Wrigley N, Matthews SA (1987) Citation classics in geography and the new centurions: a response to Haigh, Mead and Whitehand. **Area** 19(3):279-84.

Wrigley N, Matthews SA (1986) Citation classics and citation levels in geography. **Area** 18(3):185-194.

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 11-12th 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 20th 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 on the subject of activity space and neighborhood research.

August, 2014: interviewd 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

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).

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

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.

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.

Internal

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: $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.

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 Witswatersrand 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.

Grants – Mentoring

External

Michael Kramer (Emory University) K01 Award (NICHD) "Spatiotemporal neighborhood dynamics and early childhood cognitive development" Awarded Fall 2013.

Internal

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.

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 Gerstorf (PI) (Humboldt University Berlin), Melissa Hardy, Stephen Matthews, Nilam Ram, Christine Hoppmann, Guy Mayraz, and Gert Wagner. Environmental factors that regulate terminal decline: Late-life as a natural experiment. German Research Foundation, Germany. Awarded, 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." R01 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 and http://cwphs.calit2.net/spatial-analyses-gps-data

Kevin Patrick (PI) (UC San Diego) R01 "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 and Initiatives - Under Review

3: Applications to be Revised

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. To be revised.

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 as PI, co-PI, consultant, mentor (post 2000)

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.gispopsci.org/)

Jane Cauley (PI) at the University of Pittsburgh; R01 '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) R01 '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) R01 '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) K01 '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-Guassian 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 Apri 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

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

Geography, GIS and Spatial Analysis

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

Medical Sciences & Public Health

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

<u>Pre-2006</u>
2005: Reviewed book proposal for Guilford Press on *GIS and Public Health, Revised Edition*
2003: Reviewed manuscript for The Urban Institute on *The Gay and Lesbian Atlas*.
2001: Reviewed book proposal for Blackwell Publishers (UK) on *Global Positioning Systems: A Social Science Field Guide*.
Reviewed revised manuscript for Guilford Publications Inc. on *GIS and Public Health* (endorsement on book jacket cover)
2000: Reviewed manuscript for Guilford Publications Inc. on *GIS and Public Health*.
1998: Reviewed manuscript for Rowman Littlefield on *Migration Studies and Economic Restructuring* (endorsement on book jacket cover)
Reviewed manuscript for Guilford Publications Inc. on *Medical Geography*.
1997: Reviewed manuscripts for the *Sixth International Applied Demography Conference Proceedings* edited by K.V. Rao.
Reviewed book proposal for Edward Arnold on *Population Health*.
1996: Reviewer of the *Encyclopedia of Life Support Systems*
1994: Reviewed book proposal for Routledge on *Geographical Information Systems*. (endorsement on book jacket cover).
Reviewed chapters on 'GIS' and 'GPS' for Prentice Hall in a selection of introductory 'Physical Geography' texts and contributed to Prof. T. McKnight (1994) *Introduction to Physical Geography* Prentice Hall.

Reviewing for Funding Agencies

National Institute of Health (NIH) Reviewer

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 Externals 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 Witswatersrand, 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, 108th 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 HandcHygiene 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 Trandisciplinary 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 Rabiei-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) 12th 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 ethnoracial 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 Coglan, 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 37th 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 Franciso, 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 74th 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

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 Heath Quasi Experimental Study (co-presented with Steven Cummins). Presentation to the National Institute of Environmental Health Science 2nd 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 2nd 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 heath: 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" qstraPopulation Assoication 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.

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, 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 Gisladottir 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 Rhubart*)
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)

Lissette 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

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; 2013-present	PRI Executive Committees – member
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^3) – 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 (untenured) 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