

Francis P. Boscoe

New York State Cancer Registry
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Research Specializations

Cancer and chronic disease epidemiology, disease registration, spatial methods, geographic information systems, demographics, medical geography.

Education

- 2000 Ph.D, Geography, Pennsylvania State University, University Park, PA.
1996 M.A., Geography, Kent State University, Kent, OH.
1990 B.S., Civil Engineering, Carnegie Mellon University, Pittsburgh, PA.

Professional Experience

Research Positions

- 2004-18,
1999-02 Research Scientist, New York State Cancer Registry, NYS Dept. of Health

Lead researcher in numerous studies related to geographic patterns in cancer incidence and treatment, improving the identification of ethnic minorities, record linkage between diverse healthcare data sources, and developing analytic tools to enhance cancer surveillance. Have published over 60 articles in peer-reviewed journals (Google Scholar h-index 22). Invited speaker to over 50 webinars, seminars, and workshops. Extensive experience supervising Ph.D.-level Research Scientists.
- 2003-04 Research Scientist, Bureau of Environmental and Occupational Epidemiology, New York State Department of Health, Troy, NY

Led the development of a Childhood Asthma and Air Quality Surveillance system, as part of the CDC-funded Environmental Public Health Tracking program. In conjunction with EPA and CDC researchers, studied the impact of alternative methods for characterizing air pollution exposure. Supervised a study of the association between childhood blood lead levels and housing variables.

- 2002-03 Health Statistician/Geographer, Cancer Statistics Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD.
- Research activities included the assessment of population projection errors in the 1990s and their impact on cancer rates and the development of techniques to address multiple race coding in the 2000 census.
- 1997-99 Graduate Research Assistant, Department of Geography, Pennsylvania State University.
- Developed a prototype electronic counterpart to the *Atlas of United States Mortality* published in 1996 by the National Center for Health Statistics.

Academic Positions

- 2016-18 Research Professor, Department of Epidemiology and Biostatistics, University at Albany, State University of New York.
- 2009-15 Research Associate Professor, Department of Epidemiology and Biostatistics, University at Albany, State University of New York.
- 2003-09 Assistant Professor, Department of Epidemiology and Biostatistics, University at Albany, State University of New York.
- Led the development of a new course, Geographic Information Systems and Public Health, and co-taught this for eleven semesters. Advised numerous Ph.D. and master's students. Chair of MS and Ph.D. admissions committee from 2006 to the present. Helped organize an on-campus conference on GIS and Public Health for nine consecutive years which drew up to 150 attendees.

Grant Support

- 2018- Co-Principal Investigator, Constructing Residential Histories for Mesothelioma Patients from Commercial Data Sources, National Institutes of Health. (with B. Liu). Amount requested: \$242,490. R21, under review.
- This project will demonstrate the viability of collecting patient residential histories in central cancer registries and explore the degree to which such histories can inform mesothelioma etiology.
- 2018- Key Personnel, Ethnicity and Nativity in Context – Latino and Asian Enclaves – The ENCLAVE study, National Institutes of Health. (S. Shariff-Marco, PI). R01, in preparation.
- This project will examine the extent to which Latinos and Asians living in well-defined ethnic enclaves have different cancer outcomes than their counterparts living in more integrated communities.

- 2018- Key Personnel, Leveraging PA Cancer Registry Data to Inform Studies about the Relationship between Social Determinants of Health and Prostate Cancer Disparities, National Institutes of Health (C. Ziegler-Johnson, PI). R01, under review.
- This project will use novel linkages of the Pennsylvania Cancer Registry to sociodemographic and medical claims data to measure how prostate cancer mortality and survival is modified by social determinants.
- 2018-27 Technical and Scientific Lead, Surveillance, Epidemiology and End Results (SEER) Program, National Institutes of Health (M. Schymura, PI), N01PC65003-74. Total costs: \$15,882,416. 25% effort. Award pending
- This funding will admit New York into the SEER program, which since 1973 has been the principal source of cancer statistics for the nation.
- 2012-18 Key Personnel, Cancer Prevention and Control Program for State, Territorial and Tribal Organizations, National Program of Cancer Registries, Centers for Disease Control and Prevention (M. Schymura, Principal Investigator), U58/DP003879. Total costs: \$12,832,120. 50%-90% effort.
- This is the primary grant which funds the operations of the New York State Cancer Registry. Comparable support was also received during all or part of the three preceding five-year project periods.
- 2012-18 Principal Investigator of subaward, SaTScan: Spatial Scan Statistic Surveillance Software II, National Institutes of Health (M. Kulldorff, Principal Investigator), R01 CA165057-05. Total costs: \$850,000. 5%-10% effort.
- The purpose of this project is to add major new functionality to SaTScan software, a widely used tool for the detection of disease clusters.
- 2008-12 Co-Investigator of subaward, Cancer Care Delivery in Medicaid, National Cancer Institute (D. Schrag, PI), R01 CA131847-01A1. Total costs: \$3,000,000. 30% effort.
- This study used the New York State Cancer Registry-Medicaid-Medicare linked databases to assess the differences in cancer care by insurance type.
- 2008-10 Co-Principal Investigator, Augmenting NY Cancer Registry Data to Assess Breast and Colorectal Cancer Care, Association of Schools of Public Health, (with M. Schymura), S3888. Total Costs: \$247,424. 30% effort.
- Project to link the New York State Cancer Registry with Medicare, Medicaid, and SPARCS files to augment cancer treatment information and to assess the utility of this process for cancer surveillance.

- 2007-2010 Co-Investigator, Quantifying Transportation Barriers in Accessing Health Facilities for Breast Cancer Diagnosis and Treatment, Susan G. Komen Foundation (M. Cockburn, PI), DISP0707415. Total costs: \$298,595. In-kind contribution.
- Development and application of a software tool to find shortest time and distance between patient locations and treatment facilities.
- 2009 Co-Investigator, Hematopoietic Cancers in the Hispanic Population in the United States (M. Schymura, PI). North American Association of Central Cancer Registries. 5% effort.
- 2005-06 Principal Investigator, Solar Radiation and Cancer Incidence and Mortality in North America, North American Association of Central Cancer Registries. 10% effort.
- 2001-04 Co-Investigator, Geographic Patterns of Prostate Cancer in New York State, Association of Schools of Public Health (M. Schymura, PI), S1355. Total costs: \$700,000. 50% effort.

Peer Reviewed Publications (63 total)

Pinheiro PS, Callahan KE, **Boscoe FP**, Balise RR, Cobb TR, Lee DJ, Kobetz EN. Cancer-site specific disparities in New York, including the 1945-1965 birth cohort's impact on liver cancer patterns. *Cancer Epidemiology Biomarkers and Prevention*, in press.

Hutchison LM, **Boscoe FP**, Feingold BJ. Characterization of transgender cancer cases in New York State. *American Journal of Public Health*, in press.

Boscoe FP, Hutchison L. Differential reporting of in situ colorectal cancer in New York State and the United States. *Journal of Registry Management* 2018; 45(1): 32-35.

Moslehi R, Zeinomar N, **Boscoe FP**. Incidence of cutaneous malignant melanoma in Iranian provinces and American states matched on ultraviolet radiation exposure: an ecologic study. *Environmental Pollution* 2018; 234: 699-706.

Boscoe FP, Zhang X. Visualizing the diffusion of digital mammography in New York State. *Cancer Epidemiology Biomarkers and Prevention* 2017, 26(4): 490-494.

Becerra AZ, Aquina CT, Mohile SG, Tejani MA, Schymura MJ, **Boscoe FP**, Xu Z, Hensley BJ, Noyes K, Monson JR, Fleming FJ. Variation in delayed time to adjuvant chemotherapy and its impact on disease-specific survival in stage III colon cancer patients. *Annals of Surgical Oncology* 2017; 24(6): 1610-1617.

Aquina CT, Becerra AZ, Xu Z, **Boscoe FP**, Schymura MJ, Noyes K, Monson JRT, Fleming FJ. Non-elective colon cancer resection: a continued public health concern. *Surgery* 2017, 161(6): 1609-1618.

Becerra AZ, Aquina CT, Berho M, Schymura MJ, **Boscoe FP**, Noyes K, Monson JR, Fleming FJ. Surgeon, Pathologist, and Hospital-Level Variation in Suboptimal Lymph Node Examination after Colectomy: Compartmentalizing Quality Improvement Strategies. *Surgery* 2017; 161(5): 1299-1306.

Aquina CT, Mohile S, Tejani M, Becerra AZ, Xu Z, Hensley B, Arsalanizadeh R, **Boscoe FP**, Schymura MJ, Noyes K, Monson J, Fleming F. The impact of age on complications, survival, and cause of death following colon cancer surgery. *British Journal of Cancer* 2017; 116: 389-397.

Aquina CT, Becerra A, **Boscoe FP**, Schymura MJ, et al. The association among blood transfusion, sepsis, and decreased long-term survival following colon cancer resection. *Annals of Surgery* 2017, 266(2): 311-317.

Hutchison L, **Boscoe FP**. Improving vital status data using text searches. *Journal of Registry Management* 2016; 43(4): 195-196.

Boscoe FP, Talbot TO, Kulldorff M. Public domain small-area cancer incidence data for New York State, 2005-2009. *Geospatial Health* 2016; 11(1): 304.

Boscoe FP, Henry KA, Sherman RL, Johnson CJ. The relationship between cancer incidence, stage, and poverty in the United States. *International Journal of Cancer* 2016; 139(3): 607-612.

Wagner VL, Jing W, **Boscoe FP**, Schymura MJ, Roohan PJ, Gesten FC. Improving adjuvant hormone therapy use in Medicaid Managed Care insured women. *Preventing Chronic Disease* 2016; 13: 160185

Hassett MJ, Schymura MJ, Chen K, **Boscoe FP**, Gesten FC, Schrag D. Variation in breast cancer care quality in New York and California based on race/ethnicity and Medicaid enrollment. *Cancer* 2016; 122(3): 420-431.

Mack JW, Chen K, **Boscoe FP**, Gesten FC, Roohan PJ, Schymura MJ, Schrag D. High intensity of end-of-life care among adolescent and young adult cancer patients in the New York State Medicaid program. *Medical Care* 2015, 53(12): 1018-1026.

Boscoe FP. Persistent and extreme outliers in causes of death by state, 1999-2013. *PeerJ* 2015; 3: e1336.

Boscoe FP, Pradhan E. The most distinctive causes of death by state. *Preventing Chronic Disease* 2015, 12: 140395.

Boscoe FP, Pradhan E. A Medicare-associated spike in U.S. cancer rates at age 65, 2000-2010. *Public Health Reports* 2015; 130(4): 343-348.

O'Grady TJ, Gates MA, **Boscoe FP**. Thyroid cancer incidence attributable to overdiagnosis in the United States, 1981-2011. *International Journal of Cancer* 2015; 137(11): 2664-2673.

Kohler BA, Sherman RL, Howlader N, Jemal A, Ryerson AB, Henry KA, **Boscoe FP**, Cronin

KA, Lake A, Noone AM, Henley SJ, Eheman CR, Anderson RN, Penberthy L. Annual Report to the Nation on the Status of Cancer, 1975-2011, Featuring Incidence of Breast Cancer Subtypes by Race/Ethnicity, Poverty, and State. *Journal of the National Cancer Institute* 2015; 107(6): djv048.

Boscoe FP, Johnson CJ, Sherman RL, Stinchcomb DG, Lin G, Henry KA. The relationship between area poverty rate and site-specific cancer incidence in the United States. *Cancer* 2014, 120(14): 2191-2198.

Boscoe FP. Trends in reporting delay in United States central cancer registries. *Journal of Registry Management* 2014, 41(3): 135-138.

Sherman RL, **Boscoe FP**, O'Brien DK, George JT, Henry KA, Soloway LE, Lee DJ. Misclassification of sex in central cancer registries. *Journal of Registry Management* 2014; 41(3): 120-124.

Edwards BK, Noone A-M, Mariotto AB, Simard EP, **Boscoe FP**, Henley SJ, Jemal A, Cho H, Anderson RN, Kohler BA, Eheman CR, Ward EM. Annual report to the nation on the status of cancer, 1975-2010, featuring prevalence of comorbidity and impact on survival among persons with lung, colorectal, breast or prostate cancer. *Cancer* 2014; 120(9): 1290-1314.

O'Grady TJ, Kitahara CM, DiRienzo AG, **Boscoe FP**, Gates MA. Randomization to Screening for Prostate, Lung, Colorectal and Ovarian Cancers and Thyroid Cancer Incidence in Two Large Cancer Screening Trials. *PLOS ONE* 2014; 9(9): e106880.

Henry KA, Sherman RL, McDonald K, Johnson CJ, Lin G, Stroup AM, **Boscoe FP**. Associations of census tract poverty with subsite-specific colorectal cancer incidence rates and stage of disease at diagnosis in the United States. *Journal of Cancer Epidemiology* 2014; 823484.

Surdu S, Fitzgerald EF, Bloom MS, **Boscoe FP**, Fletcher T, Carpenter DO, Haase RF, Gurzau E, Rudnai P, Koppova K, Kumar R, Vahter M, Leonardi G, Goessler W, Févotte J, Fletcher T. Polymorphisms in DNA repair genes XRCC1 and XRCC3, occupational exposure to arsenic and sunlight, and the risk of non-melanoma skin cancer in a European case-control study. *Environmental Research* 2014, 134: 382-389.

Walker GV, Giordano SH, Williams M, Jiang J, Niu J, MacKinnon J, Anderson P, Wohler B, Sinclair AH, **Boscoe FP**, Schymura MJ, Buchholz TA, Smith BD. Muddy water? Variation in reporting receipt of breast radiation therapy by population-based tumor registries. *International Journal of Radiation Oncology, Biology, Physics* 2013; 86(4): 686-693.

Surdu S, Fletcher T, Fitzgerald E, Bloom MS, **Boscoe FP**, Carpenter DO, Haase RF, Gurzau E, Rudnai P, Koppova K, Févotte J, Kumar R, Vahter M, Leonardi G, Goessler W. Occupational exposure to ultraviolet radiation and risk of non-melanoma skin cancer in a multinational European study. *PLOS ONE* 2013; 8(4): e62359.

Surdu S, Fitzgerald EF, Bloom MS, **Boscoe FP**, Carpenter DO, Haase RF, Gurzau E, Rudnai P, Koppova K, Févotte J, Vahter M, Leonardi G, Goessler W, Kumar R, Fletcher T.

Occupational exposure to arsenic and risk of non-melanoma skin cancer in a multinational European study. *International Journal of Cancer* 2013; 133(9): 2182-2191.

Zhang X, Kahn AR, **Boscoe FP**, Buckley PM. An automated algorithm for consolidating dates of diagnosis from multiple sources. *Journal of Registry Management* 2013; 40(1): 36-39.

Mack JW, Chen K, **Boscoe FP**, Gesten FC, Roohan PJ, Weeks JC, Schymura MJ, Schrag D. Underuse of hospice care by Medicaid insured patients with stage IV lung cancer in New York and California. *Journal of Clinical Oncology* 2013; 31(20): 2569-2579.

Boscoe FP, Schymura MJ, Zhang X, Kramer R. Heuristic algorithms for assigning Hispanic ethnicity. *PLOS ONE* 2013; 8(2): e55689.

Boscoe FP, Henry KA, Zdeb MS. A nationwide comparison of driving distance versus straight line distance to hospitals. *Professional Geographer* 2012; 64(2): 188-196.

Yung R, Hassett M, Chen K, Gesten F, Roohan P, **Boscoe FP**, Sinclair AH, Schymura MJ, Schrag D. Initiation of adjuvant hormone therapy by Medicaid insured women with non-metastatic breast cancer. *Journal of the National Cancer Institute* 2012; 104(14): 1102-1105.

Sinclair AH, Schymura MJ, **Boscoe FP**, Yung RL, Chen K, Roohan P, Tai E, Schrag D. Measuring colorectal cancer care quality for the publicly insured in New York State. *Cancer Medicine* 2012; 1(3): 363-371.

Soloway LE, **Boscoe FP**, Schymura MJ, Weinstein AL, Qiao B, Kahn AR, McLaughlin CC. Thyroid cancer incidence in highly observant Jewish neighborhoods in metropolitan New York City. *Thyroid* 2011; 21(11): 1255-1261.

Yung RL, Chen K, Abel GA, Foster CG, Roohan PJ, **Boscoe FP**, Sinclair AH, Schymura MJ, Schrag D. Cancer disparities in the context of Medicaid insurance: a comparison of survival for acute myeloid leukemia and Hodgkin lymphoma by Medicaid enrollment. *The Oncologist* 2011; 16(8): 1082-1091.

Henry KA, **Boscoe FP**, Johnson CJ, Goldberg DW, Sherman R, Cockburn M. Breast cancer stage at diagnosis: is travel time important? *Journal of Community Health* 2011; 36(6): 933-942.

Boscoe FP, Schrag D, Chen K, Roohan PJ, Schymura MJ. Building capacity to assess cancer care in the Medicaid population in New York State. *Health Services Research* 2011; 46(3): 805-820.

Boscoe FP, Johnson C, Henry KA, Goldberg DW, Shababi K, Elkin EB, Ballas LK, Cockburn M. Geographic proximity to treatment for early stage breast cancer and likelihood of mastectomy. *The Breast* 2011; 20(4): 324-328.

Boscoe FP. Towards the use of a census tract poverty indicator variable in cancer surveillance. *Journal of Registry Management* 2010; 37(4): 148-151.

Curriero FC, Klassen AC, **Boscoe FP**, Kuldorff M. Using imputation to provide location information for nongeocoded addresses. *PLOS ONE* 2010, 5(2): e8998.

Henry KA, Niu X, **Boscoe FP**. Geographic disparities in colorectal cancer survival. *International Journal of Health Geographics* 2009, 8:48.

Boscoe FP, Schymura MJ, Hsieh MC, Williams MA, Henry KA. Issues with the coding of Pacific Islanders in central cancer registries. *Journal of Registry Management* 2008, 35(2): 48-52.

Boscoe FP. Subdividing the age group of 85 years and older to improve US disease reporting. *American Journal of Public Health* 2008, 98(7): 1167-1170.

Henry KA, **Boscoe FP**. Estimating the accuracy of geographical imputation. *International Journal of Health Geographics* 2008, 7:3.

Boscoe FP. Issues with the coding of Asian race in central cancer registries. *Journal of Registry Management* 2007, 34(4): 135-139.

McLaughlin CC, **Boscoe FP**. Effects of randomization methods for permutation tests on statistical inference in disease cluster detection. *Health and Place* 2007, 13(2): 152-163.

Boscoe FP, Schymura MJ. Solar ultraviolet-B exposure and cancer incidence and mortality in the United States, 1993-2002. *BMC Cancer* 2006, 6: 264.

Boscoe FP, Ward MH, Reynolds P. Current practices in spatial analysis of cancer data: data characteristics and data sources for geographic studies of cancer. *International Journal of Health Geographics* 2004, 3:28.

Boscoe FP, Miller BA. Population estimation error and its impact on 1991-1999 cancer rates. *Professional Geographer* 2004, 56(4): 516-529.

Boscoe FP, McLaughlin CC, Schymura MJ, Kielb CL. Visualization of the spatial scan statistic using nested circles. *Health and Place* 2003, 9(3): 273-277.

Boscoe FP, Pickle LW. Choosing geographic units for choropleth rate maps, with an emphasis on public health applications. *Cartography and Geographic Information Science* 2003, 30(3): 237-248.

Boscoe FP. "The insanities of an exalted imagination": the troubled first geological survey of Pennsylvania. *Pennsylvania Magazine of History and Biography* 2003, 127(3): 291-308.

Boscoe FP, Kielb CL, Schymura MJ, Bolani TM. Assessing and improving census tract completeness. *Journal of Registry Management* 2002, 29(4): 117-120.

Boscoe FP, McLaughlin CC. The effect of seasonal residence on cancer incidence rates. *Journal of Registry Management* 2002, 29(1): 3-7.

Boscoe FP. A new calculation of the geographic center of Pennsylvania. *Pennsylvania Geographer* 2001, 38(2): 56-68.

Boscoe FP. A project of doubtful utility: measuring legislative opposition to the Pennsylvania Canal. *Political Geography* 2000, 19(8): 997-1011.

MacEachren AM, **Boscoe FP**, Haug D, Pickle LW. Geographic visualization: Designing manipulable maps for exploring temporally varying georeferenced statistics. *Proceedings, IEEE Symposium on Information Visualization* 1998; 87-94.

Boscoe FP, Prytherch DE. Landscape evolution and cartographic bias in Cranberry Township, Pennsylvania. *Pennsylvania Geographer* 1996, 33(2): 80-92.

Davidson CI, Harrington JR, Stephenson ML, Small MJ, **Boscoe FP**, Gandle RE. Seasonal variations in nitrate, sulfate, and chloride concentrations in the Greenland Ice Sheet: relationship to atmospheric concentrations. *Atmospheric Environment* 1989, 23: 2483-2493.

Publications Under Review

Boscoe FP. The foreign-born population in New York City and environs, 2012-2016.

Xu Z, Becerra AZ, Justiniano CF, Aquina CT, Fleming FJ, **Boscoe FP**, Schymura MJ, Sinno AK, Chadul J, Morrow GR, Minasian LM, Temkin SM. Postoperative complications and survivorship trends following primary debulking surgery for ovarian cancer.

Xu Z, Peppone L, Aquina CT, Becerra ZA, Williams G, **Boscoe FP**, Schymura MJ, Noyes K, Monson JR, Fleming FJ. Effect of smoking on long-term outcomes in breast and colorectal patients.

Justiniano CF, Becerra, AZ, Xu Z, Aquina CT, Boodry C, Schymura MJ, **Boscoe FP**, Noyes K, Temple LK, Fleming FJ. A Population-Based 90-Day Cost & Hospital Utilization Analysis of Robotic Surgery in Colon & Rectal Cancer.

Velazquez-Kronen R, Vasquez A, **Boscoe FP**, Gates M. Hispanic ethnicity and stage at diagnosis for invasive breast and colorectal cancer.

Books and Book Chapters

Boscoe, FP. Spatial and contextual analyses of stage at diagnosis. In *Geospatial Approaches to Energy Balance and Breast Cancer*. D Berrigan, NA Berger, eds. Berlin: Springer, 2018. In preparation.

Boscoe, FP. Points, lines and polygons. In *Geographic Health Data: Fundamental Techniques for Analysis*. Wallingford, UK: CABI Press, 2013. pp. 1-14.

Boscoe, FP. Introduction. In *Geographic Health Data: Fundamental Techniques for Analysis*. Wallingford, UK: CABI Press, 2013. pp. ix-xi.

Boscoe FP, O'Brien DS, McLaughlin CC. Geographic Information Systems. In *Cancer Registry Management: Principles and Practice, 3rd edition*. HR Menck, DM Gress, LG Mulvihill, AC Griffin, eds. Dubuque, IA: Kendall/Hunt, 2011. 413-431.

Boscoe FP. The use of residential history in environmental health studies. In *Geospatial Analysis of Environmental Health*. JA Maantay and SL McLafferty, eds. Berlin: Springer Verlag, 2011. 93-110.

Boscoe FP. The science and art of geocoding: tips for improving match rates and handling unmatched cases in analysis. In *Geocoding Health Data: The Use of Geographic Codes in Cancer Prevention and Control, Research, and Practice*. G Rushton, MP Armstrong, J Gittler, BR Greene, CE Pavlik, MM West, DL Zimmerman, eds. Boca Raton, FL: CRC Press, 2008. 95-109.

Boscoe FP, McLaughlin CC, O'Brien DS. Geographic Information Systems: analysis and presentation of cancer registry data. In *Central Cancer Registries: Design, Management and Use*. HR Menck, ed. Dubuque, IA: Kendall/Hunt, 2007. 169-191.

Books Edited

Boscoe, FP, ed. *Geographic Health Data: Fundamental Techniques for Analysis*. Wallingford, UK: CABI Press, 2013. 232 pp.

Goldberg DJ. *A Geocoding Best Practices Guide*. Borchers R, **Boscoe FP,** Cockburn MG and 9 others, eds. Springfield, IL: North American Association of Central Cancer Registries, 2008. 287 pp.

Wiggins L. *Using Geographic Information Systems Technology in the Collection, Analysis and Presentation of Cancer Registry Data: A Handbook of Basic Practices*. Abe T, Borchers R, **Boscoe FP** and 9 others, eds. Springfield, IL: North American Association of Central Cancer Registries, 2003. 73 pp.

Correspondence

Greener D, Henrichs KF, Liesveld JL, Heal JM, Aquina C, Phillips GL, Kirkley SA, Milner LA, Refaai MA, Mendler JH, Szydowski J, Masel D, Schmidt A, **Boscoe FP,** Schymura MJ, Blumberg N. Improved outcomes in acute myeloid leukemia patients treated with washed transfusions. *American Journal of Hematology* 2017; 92(1): E8-E9.

Boscoe FP. Response to Scanlan. *BMJ* 2015. [link](#)

Boscoe FP. A Valuable Advance in the Application of the Spatial Scan Statistic. *International Journal of Health Geographics* 2008; 7:57.

Boscoe FP, Sherman CG. On Socioeconomic Gradients in Cancer Registry Data Quality. *Journal of Epidemiology and Community Health* 2006, 60(6): 551.

Boscoe FP, Schmit KJ. Results of a Similar Analysis Using New York State Data. *International Journal of Health Geographics* 2005, 4:1.

Boscoe FP. Red-Green Color-Blindness and Map Design. *International Journal of Health Geographics* 2004, 3:10.

Boscoe FP, Talbot TO. Asthma and Air Toxics: Another Potential Source of Positive Bias. *Environmental Health Perspectives* 2003, 111(16): A871.

Editorials

Boscoe FP. Online scholarly communication. *AAG Newsletter* 2012, 47(11): 21.

Boscoe FP. The plummeting cost of data storage. *NAACCR Narrative* Fall 2009: 4.

Boscoe FP. Medical Geography and quantification: observations from the Boston AAG meeting. *AAG Newsletter* 2008, 43(6): 11.

Boscoe FP. “We already know all this – so what?” *NAACCR Narrative* Summer 2005: 19.

Technical Documentation and Data Files

Boscoe FP, Kulldorff M. 2018. Multinomial scan statistic for identifying unusual population age structures. [link](#)

Boscoe FP, Kulldorff M. 2017. Ordinal scan statistic for identifying unusual cancer stage patterns. [link](#)

Boscoe FP. 2016. KML files for 2010 census blocks in New York State, including county, census tract and minor civil division (city/town). Published on Figshare. [link](#)

Boscoe FP. 2016. Census tract population estimates by age and sex, New York State, by year, 1990-2014, using 2010 census tract definitions. Published on Figshare. [link](#)

Boscoe FP, Henry KA, Sherman RL, Johnson CJ. 2015. Fileset to accompany ‘The relationship between cancer incidence, stage, and poverty in the United States’. Published on Figshare. [link](#)

Boscoe FP, Pradhan E. 2015. The most distinctive causes of death, 2001-2010 – underlying data. Published on Figshare. [link](#)

Boscoe FP. 2015. Persistent outliers among state-level causes of death, 1999-2013. Published on Figshare. [link](#)

Boscoe FP. 2015. Extreme outliers among state-level causes of death, 1999-2013. Published on Figshare. [link](#)

Boscoe FP. 2011. Latitude/longitude to UTM conversion (and vice versa). Published on sascommunity.org. [link](#)

Boscoe FP. 2011. Converting shapefiles to KML for viewing in Google Earth and Google

Maps. Published on sascommunity.org. [link](#)

North American Association of Central Cancer Registries (NAACCR) Race and Ethnicity Work Group. *NAACCR Asian Pacific Islander Identification Algorithm [NAPIIA]*. Springfield, IL: North American Association of Central Cancer Registries; 2007 (version 1.0); 2008 (version 1.1); 2009 (version 1.2).

North American Association of Central Cancer Registries (NAACCR) Race and Ethnicity Work Group. *NAACCR Guideline for Enhancing Hispanic/Latino Identification: Revised NAACCR Hispanic/Latino Identification Algorithm [NHIA]*. Springfield, IL: North American Association of Central Cancer Registries; 2008 (version 2.1); 2009 (version 2.2).

Encyclopedia Entries

Boscoe FP. Encyclopedia of New York State, Syracuse University Press, 2005. Ten entries: Cement Industry, Connecticut Gore, Extinct Counties, Massachusetts Reserve, Samuel Ogden, Ogden Land Company, Petroleum & Natural Gas Industries, Stone Arabia Patent, Totten and Crossfield Patent, Water Supply – Upstate Cities.

Other recent published writing

New York State Department of Health (Lewis-Michl E, Bogdan K, Johnson T, Weinstein A, Trzaska M, **Boscoe FP**). Cancer incidence investigation: Village of Hoosick Falls, Rensselaer County, New York, May 2017.

Conwell TJ, **Boscoe FP**. Urban/rural disparities in cancer incidence in New York State, 2008-2012. *PeerJ Preprints* 2015; 3: e1500.

Boscoe FP. Breast cancer screening, incidence, and mortality across US counties. *NAACCRReview*, July 13, 2015.

Boscoe FP. Benign prostatic hyperplasia mortality in California. *NAACCRReview*, May 21, 2015.

Boscoe FP. Misclassification of sex in central cancer registries. *NAACCRReview*, April 27, 2015.

Boscoe FP. Figshare.com – a home for posters. *NAACCR Narrative*, Summer 2014: 25.

Boscoe FP. Towards better conference presentations. *NAACCR Narrative*, Summer 2014: 26.

Weir HK and **Boscoe FP.** From the Research and Data Use Steering Committee. *NAACCR Narrative*, Spring 2014: 23.

Boscoe FP. Geocoding Guidance for the 2013 Call for Data. *NAACCR Narrative*, Fall 2013: 8.

Boscoe FP. The GIS Handbook of Basic Practices: 10 Years Later. *NAACCR Narrative*, Winter 2013: 4.

Boscoe FP. Geographic Information Systems ad hoc Committee to Retire Operations. *NAACCR Narrative*, Winter 2013: 7.

Boscoe FP. Navigation Numbers. *Scholastic Math*, October 12, 2009: 10-11.

Maps and Graphics

Boscoe FP, Zhang X. 2017. Visualization of the diffusion of digital mammography, New York State, 2004-2012 (97 maps). [link](#)

New York State Department of Health. Environmental Facilities and Cancer Maps. 2013. (interactive map with layers for 23 cancer sites and 15 types of regulated environmental facilities). [link](#)

Singh GK, Miller BA, Hankey BF, Edwards BK. *Area Socioeconomic Variations in U.S. Cancer Incidence, Mortality, State, Treatment, and Survival, 1975-1999*. NCI Cancer Surveillance Monograph Series No. 4. Bethesda, MD: National Cancer Institute, 2003 (4 maps).

New York State Department of Health. 2001. New York State Cancer Surveillance Improvement Initiative. Prostate Cancer in New York State, by ZIP Code, 1994-1998 (65 maps). [link](#)

New York State Department of Health. 2000. New York State Cancer Surveillance Improvement Initiative. Breast Cancer in New York State, by ZIP Code, 1993-1997 (49 maps). [link](#)

New York State Department of Health. 2000. New York State Cancer Surveillance Improvement Initiative. Cancer of the Colon and Rectum in New York State, by ZIP Code, 1993-1997 (98 maps). [link](#)

New York State Department of Health. 2000. New York State Cancer Surveillance Improvement Initiative. Cancer of the Lung and Bronchus in New York State, by ZIP Code, 1993-1997 (98 maps). [link](#)

Platt, RH. *Disasters and Democracy: The Politics of Extreme Natural Events*. Washington, DC: Island Press, 1999 (10 maps).

Schmidlin TA, Schmidlin JA. *Thunder in the Heartland: A Chronicle of Outstanding Weather Events in Ohio*. Kent, OH: Kent State University Press, 1997 (2 graphics).

Conference Proceedings and Presentations

(most recent five years except for selected posters; excludes 76 items prior to 2013)

Boscoe FP, Sherman RL, Zhang X. Cluster bluster: cancer tends to cluster less than other diseases and conditions. North American Association of Central Cancer Registries Annual Conference, Pittsburgh June 9-14, 2018.

Boscoe FP. Integration of individual residential histories into cancer research: overview. North American Association of Central Cancer Registries Annual Conference, Pittsburgh June 9-14, 2018.

Liu B, **Boscoe FP**, Flores RM, Taioli E. Factors associated with short-term adverse events and long-term survival after lung-cancer directed surgeries: an analysis of New York State Cancer Registry data linked with inpatient administrative data. Poster presentation, Society for Epidemiologic Research Annual Meeting, Baltimore, June 19-22, 2018.

Justiniano CF, Becerra AZ, Xu Z, Aquina CT, Boodry CI, Schymura MJ, **Boscoe FP**, Temple LKF, Fleming FJ. Analysis of disease-specific mortality after local excision for stage: rectal cancer. Poster presentation, American College of Surgeons Clinical Congress, San Diego, October 22-26, 2017.

Hutchison LM, **Boscoe FP**. Characterization of transgender cancer cases in New York State. Plenary presentation, North American Association of Central Cancer Registries Annual Conference, Albuquerque, June 17-22, 2017.

Zhang X, **Boscoe FP**. Recalibrating the NAACCR Hispanic Identification Algorithm (NHIA). Poster presentation, North American Association of Central Cancer Registries Annual Conference, Albuquerque, June 17-22, 2017. [link](#)

Becerra AZ, Aquina CT, Xu Z, Justiniano CF, **Boscoe FP**, Schymura MJ, Temple LKF, Fleming FJ. Wide variation in the rate of positive circumferential resection margins across surgeons and hospitals: a call for the standardization of rectal cancer care. Poster presentation, American Society of Colon and Rectal Surgeons Annual Scientific Meeting, Seattle, June 10-14, 2017.

Temkin SM, Xu Z, Justiniano CF, Becerra AZ, Aquina CT, **Boscoe FP**, Schymura MJ, Fleming FJ, Temple LKF, Minasian LM, Morrow GR. Racial disparities in ovarian cancer survival in New York State. Poster presentation, American Society of Clinical Oncology Annual Meeting, Chicago, June 2-6, 2017. *Journal of Clinical Oncology* 35(15S): 5579.

Xu Z, Justiniano CF, Becerra AZ, Aquina CT, **Boscoe FP**, Schymura MJ, Temple LKF, Fleming FJ. Surgeon and hospital variation in adjuvant chemotherapy delivery to patients with stage III colon cancer. Poster presentation, American Society of Clinical Oncology Annual Meeting, Chicago, June 2-6, 2017. *Journal of Clinical Oncology* 35(15S): 3596.

Boscoe FP, Henry KA. The diffusion of digital mammography in the United States, 2001-2014. 114th Annual Meeting of the Association of American Geographers, Boston, April 5-9, 2017.

Juster T, **Boscoe FP**, Juster H. Low income smokers at risk for greater burden of tobacco-related health outcomes. Poster presentation, National Conference on Tobacco or Health, March 22-24, 2017.

Boscoe FP, Zhang X. Visualizing the diffusion of mammography in New York State, 2004-2012. Geospatial Approaches to Cancer Control and Population Sciences, Bethesda, MD, September 12-14, 2016.

Zhang X, **Boscoe FP**. The relationship between breast cancer incidence, mammography and income in New York State. Poster presentation, North American Association of Central Cancer Registries Annual Conference, St. Louis, June 11-17, 2016. [link](#)

Boscoe FP. The quest for an all-purpose base map for presenting North American cancer data. Poster presentation, North American Association of Central Cancer Registries Annual Conference, St. Louis, June 11-17, 2016. [link](#)

Aquina CT, Mohile SG, Tejani MA, Becerra A, Hensley BJ, Xu Z, Arsalanizadeh R, **Boscoe FP**, Schymura MJ, Noyes K, Monson JR, Fleming FJ. The impact of age on complications, survival, and cause of death following colon cancer surgery. American Society of Clinical Oncology Annual Meeting, Chicago, June 3-7, 2016.

Becerra AZ, Aquina CT, Berho M, **Boscoe FP**, Schymura MJ, Noyes K, Monson JR, Fleming FJ. Patient, surgeon, pathologist, and hospital-level variation in suboptimal lymph node yield after colectomy: compartmentalizing quality improvement strategies. Poster presentation, American Society of Colon and Rectal Surgeons Annual Scientific Meeting, Los Angeles, April 30-May 4, 2016.

Becerra AZ, Aquina CT, Tejani MA, Schymura MJ, **Boscoe FP**, Noyes K, Monson JR, Fleming FJ. No time to wait: factors associated with delayed time to adjuvant chemotherapy among stage III colon cancer patients. Poster presentation, American Society of Colon and Rectal Surgeons Annual Scientific Meeting, Los Angeles, April 30-May 4, 2016.

Aquina CT, Becerra AZ, Probst CP, **Boscoe FP**, Schymura MJ, Noyes K, Monson JR, Fleming FJ. Non-elective colon cancer resection: a continued detrimental problem. Poster presentation, American Society of Colon and Rectal Surgeons Annual Scientific Meeting, Los Angeles, April 30-May 4, 2016.

Wang Y, **Boscoe FP**. A Medicare-associated impact on cancer survival at age 65 in the United States, 2004-2013. Poster presentation, *Student Poster Day*, University at Albany School of Public Health, Rensselaer, NY, April 22, 2016. [link](#)

Boscoe FP. Cancer incidence, mortality, and socioeconomics in the United States in the 21st century. American Public Health Association 143rd Annual Meeting and Expo, Chicago, October 31-November 4, 2015.

Zhang X, **Boscoe FP**. Enhanced identification of out of state cases by utilizing 'text – place of diagnosis'. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Charlotte, NC, June 13-19, 2015. [link](#)

Boscoe FP, Johnson CJ. The impact of reporting practices on state and local lip cancer rates, or: how many per million depends on the vermilion. *North American Association of Central Cancer Registries Annual Conference*, Charlotte, NC, June 13-19, 2015.

Schymura MJ, **Boscoe FP**. The impact of the “presumed alive” follow-up method on survival rates by race/ethnicity and national origin in New York. North American Association of Central Cancer Registries Annual Conference, Charlotte, NC, June 13-19, 2015.

Henry KA, **Boscoe FP**, Sherman RL. Assessing the fitness for use of the Primary Payer at Diagnosis variable. Part A: the national view. North American Association of Central Cancer Registries Annual Conference, Ottawa, ON, June 21-26, 2014.

Kahn AR, **Boscoe FP**, Henry KA, Sherman RL, Schymura MJ. Assessing the fitness for use of the Primary Payer at Diagnosis variable. Part B: why New York has not submitted this data item. North American Association of Central Cancer Registries Annual Conference, Ottawa, ON, June 21-26, 2014.

Pradhan E, **Boscoe FP**. Evaluation of LexisNexis Batch Solutions for the New York State Cancer Registry. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Ottawa, ON, June 21-26, 2014. [link](#)

Wagner VL, Schymura MJ, Takada A, Anarella JP, Soloway LE, **Boscoe FP**, Gesten FC. Improving adherence to adjuvant hormone therapy among Medicaid-insured women with non-metastatic breast cancer: results from a pilot study. North American Association of Central Cancer Registries Annual Conference, Ottawa, ON, June 21-26, 2014.

Boscoe FP, Johnson CJ, Sherman RL, Stinchcomb DW, Lin G, Henry KA. The relationship between area poverty rate and site-specific cancer incidence in the United States. International Association of Cancer Registries Annual Conference, Ottawa, ON, June 25-29, 2014.

Boscoe FP. Trends in reporting delays to United States central cancer registries. International Association of Cancer Registries Annual Conference, Ottawa, ON, June 25-29, 2014. [link](#)

Boscoe FP, Sherman RL, Henry KA, Lin G, Stinchcomb DG, Johnson CJ. The relationship between poverty and cancer incidence in the United States. 110th Annual Meeting of the Association of American Geographers, Tampa, FL, April 8-12, 2014.

Jones R, **Boscoe FP**, Fitzgerald EF, Hwang SA, Lin S. Evaluation of bias resulting from geographic imputation of patient residential address: implications for assessment of ambient exposures in health analyses. 5th International Conference on Medical Geology, Arlington, VA, August 25-29, 2013.

O'Grady TJ, Gates MA, Boscoe FP. A study of thyroid cancer incidence in close proximity to six nuclear power facilities in the state of New York: a descriptive analysis. Poster presentation, Society for Epidemiological Research Annual Meeting, Boston, MA, June 18-21, 2013.

Boscoe FP, Schymura MJ. The New York State Environmental Facilities and Cancer Mapping Project. North American Association of Central Cancer Registries Annual Conference, Austin, TX, June 8-14, 2013.

Schymura MJ, **Boscoe FP**, Kahn AR. Using claims data to identify patients undergoing active surveillance for prostate cancer. North American Association of Central Cancer Registries Annual Conference, Austin, TX, June 8-14, 2013.

Johnson CJ, McKeeth E. Return on investment of Medicaid linkages for NPCR's Enhancing Cancer Registry Data for Comparative Effectiveness Research (CER) Project: Idaho's perspective. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Austin, TX, June 8-14, 2013 (acknowledged contributor).

Hassett MJ, Schrag D, Chen K, Roohan PR, **Boscoe FP**, Schymura MJ. Patterns of disparities in breast cancer care. American Society of Clinical Oncology Annual Meeting, Chicago, May 31- June 4, 2013.

Zhang X, Kahn AR, **Boscoe FP**, Buckley PM. Development of an automated consolidation algorithm to resolve inconsistent dates of diagnosis from multiple sources. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Portland, OR, June 2-8, 2012. [link](#)

Sherman RL, Button JH, Soloway LE, **Boscoe FP**, Lee DJ. Misclassification of Sex: Assessing an Automated Sex Edit and the Example of Male Breast Cancer. Poster presentation, American Public Health Association 139th Annual Meeting and Exposition, Washington, DC, October 29-November 2, 2011. [link](#)

Patel D, **Boscoe FP**, Zhang X. What factors influence hospitalizations among dying cancer patients? An analysis of aggressive end-of-life cancer care. Poster presentation, American Public Health Association 139th Annual Meeting and Exposition, Washington, DC, October 29-November 2, 2011. [link](#)

Boscoe FP, Soloway LE. They call me whello yello: revisiting the SEER race and nationality descriptions. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Louisville, KY, June 18-25, 2011. [link](#)

Hinman TN, **Boscoe FP**, Schymura MJ. Utility of linking Medicaid and Medicare claims data to death certificate only records. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Louisville, KY, June 18-25, 2011. [link](#)

Soloway LE, **Boscoe FP**. Determining Middle Eastern ethnicity and cancer incidence through the New York State Cancer Registry. Poster presentation, 36th Annual Meeting of the Human Biology Association, Minneapolis, MN, April 13-14, 2011. [link](#)

Boscoe FP, Schymura MJ, Kohler BA. Identification of Asians/Pacific Islanders in US cancer registries and resultant cancer rates. Poster presentation, International Association of Cancer Registries 32nd Annual Meeting, Yokohama, Japan, October 12-14, 2010. [link](#)

Zhang X, **Boscoe FP**, Kahn AR. Guidance for resolving conflicting race information from multiple sources. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Québec City, June 19-26, 2010. [link](#)

Schymura MJ, **Boscoe FP**, Schrag D, Milne DE, Roohan PJ, Kilburn HC, Tai E. Linking New York State Cancer Registry data to Medicare, Medicaid, and hospital discharge files to assess breast and colorectal cancer care. Poster presentation, New York State Department of Health Poster Day, Albany, NY, November 23, 2009. [link](#)

Boscoe FP, Implications of subdividing the 85 and over age category in cancer surveillance. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Denver, June 7-14, 2008. [link](#)

Sherman CG, Schymura MJ, **Boscoe FP**. Completeness of non-malignant intracranial and CNS tumors. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Regina, June 10-17, 2006. [link](#)

Boscoe FP, Kahn AR, Schymura MJ. Improving the accuracy of cancer rates for American Indians in New York State. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Regina, June 10-17, 2006. [link](#)

McLaughlin CC, Schymura MJ, **Boscoe FP**, Kahn AR. Geographic and temporal patterns of thyroid cancer in New York State. Poster presentation, North American Association of Central Cancer Registries Annual Conference, Regina, June 10-17, 2006. [link](#)

Invited Lectures/Workshops/Webinars

(excludes 16 items prior to 2013)

Boscoe FP. We have a latitude and longitude for every cancer patient: now what? Collaborative for Cancer Risk, Prevention and Control, Drexel University, Philadelphia, January 18, 2018.

Boscoe FP. Recent insights in the geographic distribution of cancer incidence and stage. TIPS 360 Seminar, Thomas Jefferson University, Philadelphia, January 18, 2018.

Boscoe FP. Twenty years of cancer mapping. Pennsylvania State University Department of Geography Coffee Hour, University Park, PA, October 13, 2017.

Boscoe FP. Diffusion of medical technology within New York State and its impact on cancer outcomes. Advanced Data Analytics Lightning Talks, University at Albany, October 11, 2017.

Bishop CP, Wertman J, Houlton HR, **Boscoe FP**, Stanfield L. Preparing geographers for government and nonprofit careers. Panel discussion, 114th Annual Meeting of the Association of American Geographers, Boston, April 5-9, 2017.

Boscoe FP. Twenty years of cancer mapping. Institute for Translational Epidemiology Seminar Series, Icahn School of Medicine at Mount Sinai, New York City, March 9, 2017.

Roshala W, King MJ, Stroup A, **Boscoe FP**, Rycroft R. Registry of the Future open forum: real time reporting update and discussion. Webinar, North American Association of Central Cancer Registries, September 29, 2016.

Boscoe FP. Introduction to R. Workshop, North American Association of Central Cancer Registries Annual Conference, St. Louis, June 12, 2016.

Boscoe FP. The most distinctive causes of death by state. Office of the Chief Medical Examiner Grand Rounds, New York City, November 12, 2015.

Boscoe FP. The statistical identification of unusual patterns of cancer incidence in New York State. Albany chapter, American Statistical Association, January 28, 2015.

Boscoe FP. The relationship between poverty and cancer incidence in the United States. Presented on three occasions: (1) New Jersey State Cancer Symposium, Princeton, NJ, September 9, 2015. (2) Webinar, North American Association of Central Cancer Registries, October 10, 2014. (3) Dana Farber Cancer Institute Outcomes Research Seminar, Boston, September 16, 2014.

Talbot TO, **Boscoe FP**. Detecting clusters of adverse health outcomes using SaTScan. Workshop, 110th Annual Meeting of the Association of American Geographers, Tampa, FL, April 8-12, 2014.

Boscoe FP, Kumar S, Sherman R. Using SaTScan for cancer surveillance. Workshop, North American Association of Central Cancer Registries Annual Conference, Austin, TX, June 9, 2013.

Jordan MM, **Boscoe FP**, Morris D. Healthy air, healthy you: integrating environmental health data into chronic disease programs. Webinar, National Association of Chronic Disease Directors, May 15, 2013.

Major Employer Presentations

(excludes 19 items prior to 2012)

Boscoe FP, Schymura MJ. The impact of the foreign-born on cancer survival rates in New York. SPEED Rounds, New York State Department of Health, Albany, NY, May 5, 2016.

Boscoe FP. Socioeconomic disparities in cancer. Panel discussion on epidemiologic approaches to health disparity research in New York State. New York State Department of Health, Albany, NY, December 3, 2015.

Boscoe FP. The relationship between poverty and cancer incidence in the United States. SPEED Rounds, New York State Department of Health, Albany, NY, October 2, 2014.

Boscoe FP. Indiemapper: a simple and free web tool for creating thematic maps. 9th Annual GIS and Public Health Conference, Rensselaer, NY, April 30, 2013.

Schymura MJ, **Boscoe FP.** Cancer care delivery among patients in Medicaid. SPEED Rounds, New York State Department of Health, Albany, NY, April 11, 2013.

Teaching and Advising

Courses Taught as a Faculty Member

Introduction to QGIS, 3 credits (listed as Independent Study), Spring 2016.

Geographic Information Systems and Public Health, Department of Epidemiology and Biostatistics, 3 credits, Spring 2003-2011 (co-instructor with Glen Johnson and Thomas Talbot), Spring 2013 (co-instructor with Thomas Talbot)

Introduction to Geographic Information Systems, Department of Geography and Planning, 3 credits, Spring 2002

Guest Lectures

“What I Do For a Living”, in Introduction to Epidemiology (undergraduate), Spring 2018.

“Open Street Map and Google Earth”, in GIS and Public Health, Spring 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018.

“Introduction to QGIS”, in GIS and Public Health, Spring 2016, Fall 2016, Spring 2017.

“Cancer Disparities”, in Cancer Epidemiology, Fall 2008, Fall 2010, Fall 2012, Spring 2014, Spring 2015.

“Secondary Data Sources”, in Principles and Methods of Epidemiology, Spring 2012

“Geographic Information Systems”, in Global Environmental Issues and Their Health Effects”, Spring 2011

Doctoral Committees

Chair:

1. Thomas O’Grady, Epidemiology, 2014: An evaluation of factors leading to the risk and detection of thyroid cancer.
2. Maggie Munkhjargal, Environmental Health Sciences, topic under development.

Reader:

1. Wayne Lawrence, *Epidemiology*, topic in progress.
2. Kirsten Siegenthaler, *Epidemiology*, 2016: Geographic access to early intervention providers and the impact of early intervention services on children and families.
3. Elizabeth Tracey, *Public Health*, University of Sydney (Australia), 2014: Cancer survival in New South Wales (NSW) and the impact of distance from and access to cancer surgical services: a data linkage study.
4. Ashar Ata, *Epidemiology*, 2014: Adjuvant chemotherapy use among colorectal cancer patients in New York State: validation of initiation, completion, and associated factors.
5. Nur Zeinomar, *Epidemiology*, 2014: Breast cancer susceptibility: an education intervention and genetic epidemiology study.
6. Elizabeth Villamil, *Health Management and Planning*, 2012: Geographic and community factors associated with adolescent pregnancy in New York State.
7. Simona Surdu, *Environmental Health Sciences*, 2012: Occupational exposure and risk of skin cancer in a multinational European study.

Master's Thesis CommitteesChair:

1. Deesha Patel, *Epidemiology*, 2011: What factors influence hospitalizations among dying cancer patients? An analysis of aggressive end-of-life cancer care.
2. Michael McDermott, *Epidemiology*, 2007: Spatial analysis of childhood acute lymphocytic leukemia at place of birth in upstate New York State.
3. Feifei Yang, *Epidemiology*, 2007: Blood lead levels and risk factors among children in the city of Newburgh, New York.

Reader:

1. Fokoua Dongmo Christophe Maxime, 2017. Sociodemographic determinants of racial disparities in stage at diagnosis of prostate cancer in New York State.
2. Francesca Mauri, *American Literature*, Universita Cattolica del Sacro Cuore (Italy), 2014: The rediscovery of Richard Yates.
3. Colleen Sherman, *Epidemiology*, 2011: An evaluation of multiple primary breast and lung cancers.

4. Tatiana Ledneva, *Epidemiology*, 2008: Association between population densities of diabetes clinical specialists and lower extremity complications of diabetes in New York State.

Master's Internship Supervisor/Mentor

1. Fokoua Dongmo Christophe Maxime, 2016: Modeling risk factors for late-stage prostate cancer.
2. Sangwon Lee, *Epidemiology*, 2015: Calculating cancer rates for New York City neighborhoods.
3. Thomas O'Grady, *Epidemiology*, 2011: Mapping of cancer clusters in New York State.
4. Deesha Patel, *Epidemiology*, 2010: A predictive model for aggressive end-of-life care among New York State cancer patients.
5. Chirag Popat, *Epidemiology*, 2005: New York State Comprehensive Cancer Control Program – Data Needs, Sources and Availability.
6. Masako Tanaka, *Epidemiology*, 2003: Development of a data linkage and geocoding system to facilitate the identification of children at risk for lead exposure.

Academic Advising

1. Anil Kumar, Ph.D., active
2. Thomas O'Grady, Ph.D., 2014
3. Amit Chauhan, MPH, 2014
4. Jessica Jackson, MPH, 2012
5. Pornchanok Kheocha-on, MPH, 2012
6. Rob Arciulo, MPH, 2012
7. Deesha Patel, MS, 2011
8. David Johnston, MPH, 2011
9. Jones Takor, MPH, 2009
9. Prince Acheampong, MPH, 2008
10. Jennifer Lutomski, MS, 2007

Professional Service

(excludes 19 items completed prior to 2013)

Editorial board member, *PeerJ*, 2017-

President-Elect, NAACCR Board of Directors, 2018-

Board Liaison, NAACCR Communications Committee, 2017-.

Representative at Large, NAACCR Board of Directors, 2014-present.

Co-chair, NAACCR Research and Data Use Steering Committee, 2012-2014. Board Liaison, 2014-2017.

Chair, MS and Ph.D. Admissions Committee, Department of Epidemiology and Biostatistics, University at Albany, 2006-present (member, 2005-present).

Member, American Association of Geographers, 1995-present.

Organizer, GIS and Public Health Conference, University at Albany School of Public Health, 2005-13.

Chair, NAACCR GIS Committee, 2006-2008 (member, 2001-2013).

External tenure reviewer for 3 faculty members at other institutions.

Peer Reviewer

Journal articles (105 total):

<i>American Journal of Epidemiology</i> (2)	<i>American Journal of Public Health</i> (5)
<i>Annals of the American Assoc. of Geographers</i>	<i>BMC Cancer</i> (4)
<i>BMC Public Health</i> (2)	<i>Breast Cancer Research</i>
<i>Cancer</i> (3)	<i>Cancer Causes and Control</i> (3)
<i>Cancer Epidemiology</i>	
<i>Cancer Epidemiology, Biomarkers and Prev.</i> (2)	<i>Cartographica</i>
<i>Cartographic Perspectives</i>	<i>Cartography and Geographic Info. Systems</i>
<i>Current Medical Research & Opinion</i>	<i>Environmental Health Perspectives</i>
<i>Environmental Health and Toxicology</i>	<i>Geographical Analysis</i> (2)
<i>Geospatial Health</i> (2)	<i>Health and Place</i> (4)
<i>International Journal of Cancer</i> (4)	<i>International J. of Health Geographics</i> (13)
<i>J. of Environmental and Public Health</i> (5)	<i>J. of Epidemiology and Community Health</i>
<i>J. of Health Care for the Poor and Underserved</i>	<i>J. of Photochemistry and Photobiology B</i>
<i>Journal of Registry Management</i> (6)	<i>Journal of Rural Health</i> (4)
<i>Journal of Urban Health</i>	<i>Journal of Women's Health</i> (2)
<i>Medicare & Medicaid Research Review</i>	<i>OncoTargets and Therapy</i>
<i>PeerJ</i> (2)	<i>PLoS ONE</i> (2)
<i>Preventing Chronic Disease</i> (5)	<i>Professional Geographer</i> (3)
<i>Public Health Reports</i>	<i>Social Science and Medicine</i> (6)
<i>Spatial and Spatio-Temporal Epidemiol.</i> (2)	<i>Thyroid</i>
<i>Transactions in GIS</i> (4)	<i>Urology</i>

Books and book chapters:

Chapter in *Geospatial Analysis of Environmental Health*. JA Maantay and SL McLafferty, eds. Berlin: Springer Verlag, 2011.

Honors and Awards

Third Prize, Poster Session, for “Evaluation of LexisNexis batch solutions for the New York State Cancer Registry”. North American Association of Central Cancer Registries Annual Conference, Ottawa, ON, June 21-26, 2014.

Third Prize, Poster Session, for “Development of an automated consolidation algorithm to resolve inconsistent dates of diagnosis from multiple sources”. North American Association of Central Cancer Registries Annual Conference, Portland, OR, June 2-8, 2012.

First Prize, Poster Session, for “They Call Me Whello Yello: Revisiting the SEER Race and Nationality Descriptions”. North American Association of Central Cancer Registries Annual Conference, Louisville, KY, June 18-25, 2011.

Delta Omega Honorary Society in Public Health, Alpha Gamma chapter, inducted 2011.

NAACCR Leadership Award, 2011.

NAACCR Achievement Award, 2009.

NAACCR Merit Award, 2006.

Honorable Mention, IMPAC/JRM Best Paper of the Year 2002, for “The Effect of Seasonal Residence on Cancer Incidence Rates”, 2003.

Media coverage

Profiled by the Association of American Geographers, August 2017. [link](#)

Quoted in Yin, Steph. North America’s geographical center may be in a North Dakota town called Center. *New York Times*, January 25, 2017. [link](#)

In May 2015, over 200 articles were published in response to the paper “The most distinctive causes of death by state”. Here is a selection of some of the more substantial reports:

Blidner R. STDs lead to ‘most distinctive’ cause of death in New York. *New York Daily News*, May 15. [link](#)

Guns and ‘distinctive’ deaths in Alabama (editorial). *Anniston (AL) Star*, May 15. [link](#)

Johnson D. The surprising ways Americans die in all 50 states. *Time*, May 18. [link](#)

Firger J. U.S. map details most distinctive cause of death in each state. *Newsweek*, May 18. [link](#)

Almendra A. The most unusual deaths by state, in one map. *Huffington Post*, May 19. [link](#)

Chokshi, N. Map: The most distinct cause of death in every state. *Washington Post*, May 14. [link](#)

Fessenden M. Texans die of tuberculosis and other insights from the CDC's distinctive death map. *Smithsonian*, May 21. [link](#)

Hensley S. Map reveals the distinctive cause of death in each state. *Shots: Health News from NPR*, May 20. [link](#)

Rettner R. Maps shows the most distinctive causes of death. *CBS News*, May 15. [link](#)

Mohney G. Map breaks down most distinctive causes of death for each state. *ABC News*, May 15. [link](#)

In May and June, 2014 over 100 newspaper, radio and television stories were published in response to the paper "The relationship between area poverty rate and site-specific cancer incidence in the United States". Here is a selection of some of the more substantial reports:

Ahmed A. Cancer incidence linked to poverty rate. *Al Jazeera America*, May 27. [link](#)

Baulkman J. Level of poverty or wealth may affect distribution of cancer types. *University Herald*, May 27. [link](#)

Chan AL. Cancer type might be linked with socioeconomic status. *Huffington Post*, May 28. [link](#)

Delépine N. Pourquoi pauvres et riches ne développent pas les mêmes cancers (et ceux des pauvres tuent beaucoup plus). *Atlantico* (France), May 29. On line: [link](#)

Metcalf J. Being poor can also affect the type of cancer you get. *The Atlantic CityLab*, May 27. [link](#)

Mostrous A. Deadliest cancers more likely to strike the poorest people. *The Times* (London), May 27. [link](#)

Petrella C. Povertà o ricchezza influenzano la distribuzione dei tipi di cancro. *Medi Magazine* (Italy), May 27. [link](#)

Reinberg S. Income might influence risk for certain cancers. *WebMD*, May 27. [link](#)

Romero S. El nivel socioeconómico interviene en el tipo de cáncer que se puede desarrollar. *Muy Interesante* (Spain), May 27. [link](#)

Crowley CF. Grants Funds Study of Cancer Care. *Albany Times Union*, December 9, 2008: A3. Story about the grant, "Augmenting NY Cancer Registry Data to Assess Breast and Colorectal Cancer Care" awarded by the Association of Schools of Public Health.

Other

Italian, intermediate (reading, writing, speaking, listening).

First place overall finisher in 5 ultramarathon-distance races, 2016-17.