

Curriculum Vitae

Xin He, Ph.D.

Contact Information

Department of Epidemiology and Biostatistics	Phone: (301) 405-2551
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College Park, MD 20742	

Academic Appointments

2016–present	Associate Professor (Tenured) Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland, College Park, MD
2018–present	Affiliate Faculty Department of Mathematics, University of Maryland, College Park, MD
2014–present	Affiliate Faculty Department of Epidemiology and Public Health, School of Medicine, University of Maryland, Baltimore, MD
2012–present	Affiliate Faculty Applied Mathematics & Statistics, and Scientific Computation Program, University of Maryland, College Park, MD
2012–present	Affiliate Faculty Department of Family Science, School of Public Health, University of Maryland, College Park, MD
2011–present	Faculty Associate Maryland Population Research Center, University of Maryland, College Park, MD
2009–2016	Assistant Professor Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland, College Park, MD
2007–2009	Assistant Professor Division of Biostatistics, College of Public Health, The Ohio State University, Columbus, OH

Administrative Appointments

2019–present	Director of Graduate Studies Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland, College Park, MD
2017–2020	Director SPH Collaboratorium, School of Public Health, University of Maryland, College Park, MD

Other Employment

2006 **Graduate Intern**
Global Biostatistics and Epidemiology, Amgen Inc., Thousand Oaks, CA

Education

2003–2007 **Ph.D. in Statistics**, University of Missouri
Advisor: Professor (Tony) Jianguo Sun

2000–2003 **B.A. in Economics**, Peking University, Beijing, China

1999–2003 **B.S. in Statistics**, Peking University, Beijing, China

Editorial Boards

2015–present **Associate Editor**, *Lifetime Data Analysis*

2015–2017 **Editor-in-Chief**, *International Chinese Statistical Association (ICSA) Bulletin*

Research Interests

- Longitudinal Data Analysis
- Time-to-Event Data Analysis
- Nonparametric and Semiparametric Methods
- Applications in Epidemiology, Environmental Health, and Biomedical Studies

Honors and Awards

2018 **Honoree**
Eleventh Annual University-Wide Celebration of Scholarship and Research,
University of Maryland

2017 **ICSA Outstanding Service Award**
International Chinese Statistical Association

2016 **Summer Research and Scholarship Award (RASA)**
Graduate School, University of Maryland

2014–2015 **Leda Amick Wilson Mentoring Award**
(Annual Faculty Award)
School of Public Health, University of Maryland

2015 **Honoree**
Eighth Annual University-Wide Celebration of Scholarship and Research,
University of Maryland

2013 **Delta Omega Public Health Honor Society**

2011–2012 **Doris W. Sands Excellent Teaching Award**
(Annual Faculty Award)
School of Public Health, University of Maryland

2008	Excellence in Teaching Award (Annual Faculty Award) College of Public Health, The Ohio State University
2008	Best Contributed Paper Award Winemiller 2008 Conference on Survival Analysis and Its Applications, University of Missouri
2007	ENAR Distinguished Student Paper Award International Biometric Society (Eastern North American Region)
2007	ASA Section on Statistics in Epidemiology Travel Award (Student Paper Award) American Statistical Association
2006	ICSA Student Award International Chinese Statistical Association
2005	Outstanding Performance on Doctoral Examinations Award University of Missouri
2003–2007	G. Ellsworth Huggins Fellowship Graduate School, University of Missouri

Articles Published or in Press in Peer-Reviewed Journals

† indicates graduate students and postdoctoral researchers.

1. Sun, J., Tong, X., and **He, X.** (2007). Regression analysis of panel count data with dependent observation times. *Biometrics* **63**, 1053–1059.
2. **He, X.**, Tong, X., Sun, J., and Cook, R. (2008). Regression analysis of multivariate panel count data. *Biostatistics* **9**, 234–248.
3. Tong, X., **He, X.**, Sun, J., and Lee, M.-L.T. (2008). Joint analysis of current status and marker data: an extension of a bivariate threshold model. *The International Journal of Biostatistics* **4**, Article 21.
4. **He, X.**, Tong, X., and Sun, J. (2009). Semiparametric analysis of panel count data with correlated observation and follow-up times. *Lifetime Data Analysis* **15**, 177–196.
5. Tong, X., **He, X. (corresponding author)**, Sun, L., and Sun, J. (2009). Variable selection for panel count data via non-concave penalized estimating function. *Scandinavian Journal of Statistics* **36**, 620–635.
6. Anderson, S.E., **He, X.**, Schoppe-Sullivan, S. and Must, A. (2010). Externalizing behavior in early childhood and body mass index from age 2 to 12 years: longitudinal analyses of a prospective cohort study. *BMC Pediatrics* **10**, Article 49.
7. Raman, S.V., Simonetti, O.P., Winner III, M.W., Dickerson, J.A., **He, X.**, Mazzaferri Jr, E.L., and Ambrosio, G. (2010). Cardiac magnetic resonance with edema imaging identifies myocardium at risk and predicts worse outcome in patients with non-ST-segment elevation acute coronary syndrome. *Journal of the American College of Cardiology* **55**, 2480–2488.
8. **He, X.** (2011). Comments on: Nonparametric inference based on panel count data. *TEST* **20**, 46–47. (Invited Article)

9. Broutian, T.R., **He, X.**, and Gillison, M.L. (2011). Automated high throughput DNA isolation for detection of human papillomavirus in oral rinse samples. *Journal of Clinical Virology* **50**, 270–275.
10. Mihai, G., **He, X.**, Zhang, X., McCarthy, B., Tran, T., Pennell, M.L., Blank, J., Simonetti, O.P., Jackson, R.D., and Raman, S.V. (2011). Design and rationale for the study of changes in iron and atherosclerosis risk in perimenopause. *Journal of Clinical & Experimental Cardiology* **2**, Article 152.
11. Wu, T.T. and **He, X.** (2012). Coordinate ascent for penalized semiparametric regression on high-dimensional panel count data. *Computational Statistics & Data Analysis* **56**, 25–33.
12. Xiao, T., Whitmore, G.A., **He, X.**, and Lee, M.-L.T. (2012). Threshold regression for time-to-event analysis: The stthreg package. *Stata Journal* **12**, 257–283.
13. Shah, S.[†], Weed, H.G., **He, X.**, Agrawal, A., Ozer, E., and Schuller, D.E. (2012). Alcohol-related predictors of delirium after major head and neck cancer surgery. *Archives of Otolaryngology–Head & Neck Surgery* **138**, 266–271.
14. Jordan, R., Lingen, M., Perez-Ordóñez, B., **He, X.**, Pickard, R., Inman, A., Koluder, M., Jiang, B., Wakely, P., Xiao, W., and Gillison, M.L. (2012). Validation of methods for oropharyngeal cancer HPV status determination in US cooperative group trials. *The American Journal of Surgical Pathology* **36**, 945–954.
15. Pickard, R., Xiao, W., Broutian, T.R., **He, X.**, and Gillison, M.L. (2012). The prevalence and incidence of oral human papillomavirus infection among young men and women, age 18-30 years. *Sexually Transmitted Diseases* **39**, 559–566.
16. Rosenberg Goldstein, R.E.[†], Micallef, S.A., Gibbs, S.G., Davis, J.A., **He, X.**, George, A., Kleinfelter, L.M., Schreiber, N.A., Mukherjee, S., Sapkota, A., Joseph, S.W., and Sapkota, A.R. (2012). Methicillin-resistant *staphylococcus aureus* (MRSA) detected at four U.S. wastewater treatment plants. *Environmental Health Perspectives* **120**, 1551–1558.
17. Fransen, M.[†], Pérodin, J., Hada, J., **He, X.**, and Sapkota, A. (2013). Impact of vehicular strike on particulate matter air quality: Results from a natural intervention study in Kathmandu valley. *Environmental Research* **122**, 52–57.
18. Lee, S., Chen, L.[†], **He, X.**, Miller, M.J., and Juon, H.-S. (2013). A cluster analytic examination of acculturation and health status among Asian Americans in the Washington DC metropolitan area, United States. *Social Science & Medicine* **96**, 17–23.
19. **He, X.**, Lu, X.[†], Chen, S., Hochberg, M.C., and Lee, M.-L.T. (2014). Association between obesity, race and knee osteoarthritis: The Multicenter Osteoarthritis Study. *International Journal of Statistics in Medical Research* **3**, 224–230.
20. Brotman, R.M., **He, X.**, Gajer, P., Fadrosh, D., Sharma, E., Mongodin, E.F., Ravel, J., Glover, E.D., and Rath, J.M. (2014). Association between cigarette smoking and the vaginal microbiota: a pilot study. *BMC Infectious Diseases* **14**, Article 471.
21. Liu, H., **He, X.**, Levy, J., Xu, Y., Zang, C.[†], and Lin, X. (2014). Psychological impacts among older and younger people living with HIV/AIDS in Nanning, China. *Journal of Aging Research*, Article 576592, DOI: 10.1155/2014/576592.
22. Crouser, E.D., Ono, C., Tran, T., **He, X.**, and Raman, S.V. (2014). Improved detection of cardiac sarcoidosis using magnetic resonance with myocardial T2 mapping. *American Journal of Respiratory and Critical Care Medicine* **189**, 109–112.

23. Shaw, K.S.[†], Rosenberg Goldstein, R.E.[†], **He, X.**, Jacobs, J.M., Crump, B.C., and Sapkota, A.R. (2014). Antimicrobial susceptibility of *Vibrio vulnificus* and *Vibrio parahaemolyticus* recovered from recreational and commercial areas of the Chesapeake Bay and Maryland Coastal Bays. *PLOS ONE* **9**, Article e89616.
24. Bashore, C.J.[†], Geer, L.A., **He, X.**, Puett, R., Parsons, P.J., Palmer, C.D., Steuerwald, A.J., Abulafia, O., Dalloul, M., and Sapkota, A. (2014). Maternal mercury exposure, season of conception and adverse birth outcomes in an urban immigrant community in Brooklyn, New York. *International Journal of Environmental Research and Public Health* **11**, 8414–8442.
25. Rosenberg Goldstein, R.E.[†], Micallef, S.A., Gibbs, S.G., **He, X.**, George, A., Sapkota, A., Joseph, S.W., and Sapkota, A.R. (2014). Occupational exposure to *Staphylococcus aureus* and *Enterococcus* spp. among spray irrigation workers using reclaimed water. *International Journal of Environmental Research and Public Health* **11**, 4340–4355.
26. Kanamori, M.[†], Carter-Pokras, O., Madhavan, S., Feldman, R., **He, X.**, and Lee, S. (2014). Orphan/vulnerable child caregiving moderates the association between women’s autonomy and their BMI in three African countries. *AIDS Care* **26**, 1336–1345.
27. **He, X.**, Whitmore, G.A., Loo, G.Y.[†], Hochberg, M.C., and Lee, M.-L.T. (2015). A model for time to fracture with a shock stream superimposed on progressive degradation: the Study of Osteoporotic Fractures. *Statistics in Medicine* **34**, 652–663.
28. **He, X.**, Chen, L., Lei, L., Xia, H.A., and Lee, M.-L.T. (2015). A simple method for estimating confidence intervals for exposure adjusted incidence rate and its applications to clinical trials. *Journal of Biometrics & Biostatistics* **6**, Article 238.
29. Li, Y., **He, X.**, Wang, H., Zhang, B., and Sun, J. (2015). Semiparametric regression of multivariate panel count data with informative observation times. *Journal of Multivariate Analysis* **140**, 209–219.
30. Zang, C.[†], **He, X.**, and Liu, H. (2015). Selective disclosure of HIV status in egocentric support networks of people living with HIV/AIDS. *AIDS and Behavior* **19**, 72–80.
31. Wu, F.[†], **He, X.**, Guida, J.[†], Xu, Y., and Liu, H. (2015). Network stigma towards people living with HIV/AIDS and their caregivers: an egocentric network study in China. *Global Public Health* **10**, 1032–1045.
32. Xiao, T., Whitmore, G.A., **He, X.**, and Lee, M.-L.T. (2015). The R package threg to implement threshold regression models. *Journal of Statistical Software* **66**, 1–16.
33. Shaw, K.S.[†], Sapkota, A.R., Jacobs, J.M., **He, X.**, and Crump, B.C. (2015). Recreational swimmers’ exposure to *Vibrio vulnificus* and *Vibrio parahaemolyticus* in the Chesapeake Bay, Maryland, USA. *Environment International* **74**, 99–105.
34. Raman, S.V., Hor, K.N., Mazur, W., Halnon, N., Kissel, J.T., **He, X.**, Tran, T., Smart, S., McCarthy, B., Taylor, M.D., Jefferies, J.L., Rafael-Fortney, J.A., Lowe, J., Roble, S.L., and Cripe, L.H. (2015). Eplerenone for early cardiomyopathy in Duchenne muscular dystrophy: a randomised, placebo-controlled trial. *The Lancet Neurology* **14**, 153–161.
35. Raman, S.V., Sharkey-Toppen, T.P., Tran, T., Liu, J.X., McCarthy, B., **He, X.**, Smart, S., Gulati, M., Wexler, R., Simonetti, O.P., and Jackson, R.D. (2015). Iron, inflammation and atherosclerosis risk in men vs. perimenopausal women. *Atherosclerosis* **241**, 249–254.
36. Romeo Upperman, C.[†], Parker, J., Jiang, C., **He, X.**, Murtugudde, R., and Sapkota, A. (2015). Frequency of extreme heat event as a surrogate exposure metric for examining the human health effects of climate change. *PLOS ONE* **10**, Article e0144202.

37. Kanamori, M.[†], Carter-Pokras, O., Madhavan, S., Feldman, R., **He, X.**, and Lee, S. (2015). Overweight status of the primary caregivers of orphan and vulnerable children in 3 Southern African countries: a cross sectional study. *BMC Public Health* **15**, Article 757.
38. Kanamori, M.J.[†], Carter-Pokras, O., Madhavan, S., Lee, S., **He, X.**, and Feldman, R.H. (2015). Associations between orphan and vulnerable child caregiving, household wealth disparities, and women’s overweight status in three southern African countries participating in Demographic Health Surveys. *Maternal and Child Health Journal* **19**, 1662–1671.
39. Li, Y., **He, X.**, Wang, H., and Sun, J. (2016). Regression analysis of longitudinal data with correlated censoring and observation times. *Lifetime Data Analysis* **22**, 343–362.
40. Yao, B.[†], Wang, L., and **He, X.** (2016). Semiparametric regression analysis of panel count data allowing for within-subject correlation. *Computational Statistics & Data Analysis* **97**, 47–59.
41. Nowak, R.G., Gravitt, P.E., **He, X.**, Ketende, S., Dauda, W., Omuh, H., Blattner, W.A., Charurat, M.E.; TRUST Study Group. (2016). Prevalence of anal high-risk human papillomavirus infections among HIV-positive and HIV-negative men who have sex with men (MSM) in Nigeria. *Sexually Transmitted Diseases* **43**, 243–248.
42. Jaschek, G., Carter-Pokras, O., **He, X.**, Lee, S., and Canino, G. (2016). Association of child maltreatment and depressive symptoms among Puerto Rican youth. *Journal Child Abuse & Neglect* **58**, 63–71.
43. Jaschek, G., Carter-Pokras, O.D., **He, X.**, Lee, S., and Canino, G. (2016). Association of types of life events with depressive symptoms among Puerto Rican youth. *PLOS ONE* **11**, Article e0164852.
44. Montresor-López, J.A.[†], Yanosky, J.D., Mittleman, M., Sapkota, A., **He, X.**, Hibbert, J., Wirth, M., and Puett, R.C. (2016). Short-term exposure to ambient ozone and stroke hospital admission: a case-crossover analysis. *Journal of Exposure Science and Environmental Epidemiology* **26**, 162–166.
45. Carey, S.A.[†], Rosenberg Goldstein, R.E.[†], Gibbs, S.G., Claye, E., **He, X.**, and Sapkota, A.R. (2016). Occurrence of vancomycin-resistant and -susceptible *Enterococcus* spp. in reclaimed water used for spray irrigation. *Environmental Research* **147**, 350–355.
46. Metha Oza, N., Chacko, P., Jin, J., Tran, T., Prior, T. W., **He, X.**, Agarwal, G., and Raman, S.V. (2016). Serum versus imaging biomarkers in Friedreich ataxia to indicate left ventricular remodeling and outcomes. *Texas Heart Institute Journal* **43**, 305–310.
47. **He, X.**, Feng, X.[†], Tong, X., and Zhao, X. (2017). Semiparametric partially linear varying coefficient models with panel count data. *Lifetime Data Analysis* **23**, 439–466.
48. Rosenberg Goldstein, R.E., Kleinfelter, L., **He, X.**, Micallef, S.A., George, A., Gibbs, S.G., and Sapkota, A.R. (2017). Higher prevalence of coagulase-negative staphylococci carriage among reclaimed water spray irrigators. *Science of the Total Environment* **595**, 35–40.
49. O’Neal C.R., Weston, L.C., **He, X.**, Huang, K.-Y., Pine, D.S., Kamboukos, D., and Brotman, L.M. (2017). Change in depression from preadolescence to adolescence: The role of early anger socialization and child anger among low-income, ethnic minority families. *Journal of Adolescence* **59**, 1–7.
50. Kumar, V., Min, J.K., **He, X.**, and Raman, S.V. (2017). Computation of calcium score with dual-energy computed tomography: A phantom study. *Journal of Computer Assisted Tomography* **41**, 156–158.

51. Raman, S.V., Hor, K.N., Mazur, W., **He, X.**, Kissel, J.T., Smart, S., McCarthy, B., Roble, S.L., and Cripe, L.H. (2017). Eplerenone for early cardiomyopathy in Duchenne muscular dystrophy: results of a two year open-label extension trial. *Orphanet Journal of Rare Diseases* **12**, Article 39.
52. Romeo Upperman, C.[†], Parker, J.D., Akinbami, L.J., Jiang, C., **He, X.**, Murtugudde, R., Curriero, F.C., Ziska, L., and Sapkota, A. (2017). Exposure to extreme heat events is associated with increased hay fever prevalence among nationally representative sample of US adults: 1997-2013. *Journal of Allergy and Clinical Immunology: In Practice* **5**, 435–441.
53. Wu, R.T.[†], Cao, L., Mattson, E., Witwer, K.W., Cao, J., Zeng, H., **He, X.**, Combs Jr, G.F., and Cheng, W.H. (2017). Opposing impacts on healthspan and longevity by limiting dietary selenium in telomere dysfunctional mice. *Aging Cell* **16**, 125–135.
54. Burwell-Naney, K.[†], Wilson, S.M., **He, X.**, Sapkota, A., and Puett, R. (2018). Development of a cumulative stressors and resiliency index to examine environmental health risk: A South Carolina assessment. *Environmental Justice* **11**, 165–175.
55. Kumar, V., McElhanon, K.E., Min, J.K., **He, X.**, Xu, Z., Beck, E.X., Simonetti, O.P., Weisleder, N., and Raman, S.V. (2018). Non-contrast estimation of diffuse myocardial fibrosis with dual energy CT: A phantom study. *Journal of Cardiovascular Computed Tomography* **12**, 74–80.
56. Nowak, R.G., Randis, T.M., Desai, P., **He, X.**, Robinson, C.K., Rath, J.M., Glover, E.D., Ratner, A.J., Ravel, J., and Brotman, R.M. (2018). Higher levels of a cytotoxic protein, vaginolysin, in *Lactobacillus*-deficient community state types at the vaginal mucosa. *Sexually Transmitted Diseases* **45**, e14–e17.
57. Demarco, M.[†], Carter-Pokras, O., Hyun, N., Castle, P.E., **He, X.**, Dallal, C.M., Chen, J., Gage, J.C., Befano, B., Fetterman, B., Lorey, T., Poitras, N., Raine-Bennett, T.R., Wentzensen, N., and Schiffman, M. (2018). Validation of an HPV DNA cervical screening test that provides expanded HPV typing. *Journal of Clinical Microbiology* **56**, e01910–e01917.
58. O’Neill, A.[†], Beck, K., Chae, D., Dyer, T., **He, X.**, and Lee, S. (2018). The pathway from childhood maltreatment to adulthood obesity: The role of mediation by adolescent depressive symptoms and BMI. *Journal of Adolescence* **67**, 22–30.
59. Lu, X.[†], Juon, H.-S., **He, X.**, Dallal, C.M., Wang, M.Q., and Lee, S. (2019). The association between perceived stress and hypertension among Asian Americans: Does social support and social network make a difference? *Journal of Community Health* **44**, 451–462.
60. Lu, X.[†], Dallal, C.M., **He, X.**, Juon, H.-S., Wang, M.Q., and Lee, S. (2019). Parental caregiving trajectories and Metabolic Syndrome: A longitudinal study among Chinese women. *Social Science & Medicine* **240**, 112559.
61. Kumar, V., Harfi, T.T., **He, X.**, McCarthy, B., Cardona, A., Simonetti, O.P., and Raman, S.V. (2019). Estimation of myocardial fibrosis in humans with dual energy CT. *Journal of Cardiovascular Computed Tomography* **13**, 315–318.
62. Turpin, R., Brotman, R.M., Miller, R.S., Klebanoff, M.A., **He, X.**, and Slopen, N. (2019). Perceived stress and incident sexually transmitted infections in a prospective cohort. *Annals of Epidemiology* **32**, 20–27.
63. Raman, S.V., Hor, K.N., Mazur, W., Cardona, A., **He, X.**, Halnon, N., Markham, L., Soslow, J.H., Puchalski, M.D., Auerbach, S.R., Truong, U., Smart, S., McCarthy, B., Saeed, I.M., Statland, J.M., Kissel, J.T., and Cripe, L.H. (2019). Stabilization of early Duchenne cardiomyopathy with aldosterone inhibition: Results of the multicenter AIDMD trial. *Journal of the American Heart Association* **8**, e013501.

64. Ritland, B.M.[†], Simonelli, G., Gentili, R.J., Smith, J.C., **He, X.**, Mantua, J., Balkin, T.J., and Hatfield, B.D. (2019). Effects of sleep extension on cognitive/motor performance and motivation in military tactical athletes. *Sleep Medicine* **58**, 48–55.
65. Ritland, B.M.[†], Simonelli, G., Gentili, R.J., Smith, J.C., **He, X.**, Oh, H., Balkin, T.J., and Hatfield, B.D. (2019). Sleep health and its association with performance and motivation in tactical athletes enrolled in the Reserve Officers' Training Corps. *Sleep Health* **5**, 309–314.
66. Suri, M.R., Dery, J.L., Pérodin, J., Brassill, N., **He, X.**, Ammons, S., Gerdes, M.E., Rock, C., and Rosenberg Goldstein, R.E. (2019). U.S. farmers' opinions on the use of nontraditional water sources for agricultural activities. *Environmental Research* **172**, 345–357.
67. Brown, S.E.[†], Schwartz, J.A., Robinson, C.K., O'Hanlon, D.E., Bradford, L.L., **He, X.**, Mark, K.S., Bruno, V.M., Ravel, J., and Brotman, R.M. (2019). The vaginal microbiota and behavioral factors associated with genital *Candida albicans* detection in reproductive-age women. *Sexually Transmitted Diseases* **46**, 753–758.
68. Cardona, A., O'Brien, A., Bernier, M.C., Somogyi, A., Wysocki, V.H., Smart, S., **He, X.**, Ambrosio, G., Hsueh, W.A., and Raman, S.V. (2019). Trimethylamine N-oxide and incident atherosclerotic events in high-risk individuals with diabetes: An ACCORD trial post hoc analysis. *BMJ Open Diabetes Research & Care* **7**, e000718.
69. Fisher, J.A.[†], Puett, R.C., Laden, F., Wellenius, G.A., Sapkota, A., Liao, D., Yanosky, J.D., Carter-Pokras, O., **He, X.**, and Hart, J.E. (2019). Case-crossover analysis of short-term particulate matter exposures and stroke in the Health Professionals Follow-up Study. *Environment International* **124**, 153–160.
70. Holm, J.B., Humphrys, M.S., Robinson, C.K., Settles, M.L., Ott, S., Fu, L., Yang, H., Gajer, P., **He, X.**, McComb, E., Gravitt, P.E., Ghanem, K.G., Brotman, R.M., and Ravel, J. (2019). Ultra-high throughput multiplexing and sequencing of >500 bp amplicon regions on the Illumina HiSeq 2500 platform. *mSystems* **4**, e00029-19.
71. Stennett, C.A.[†], Dyer, T.V., **He, X.**, Robinson, C.K., Ravel, J., Ghanem, K.G., and Brotman, R.M. (2020). A cross-sectional pilot study of birth mode and vaginal microbiota in reproductive-age women. *PLOS ONE* **15**, e0228574.
72. Guida, J.[†], Holt, C., Dallal, C., **He, X.**, Gold, R.S., and Liu, H. (2020). Social relationships and functional impairment in aging cancer survivors: A longitudinal social network study. *The Gerontologist* **60**, 607–616.
73. Knott, C.L., Ghosh, D., Williams, B.R., Park, C., Schulz, E., Williams, R.M., **He, X.**, Stewart, K., Bell, C., and Clark, E.M. (2020). Do neighborhood characteristics contribute beyond individual demographics to cancer control behaviors among African American adults? *Cancer Epidemiology* **64**, 101666.
74. Huang, D.[†], Huang, Y., Khanna, S., Dwivedi, P., Slopen, N., Green, K.M., **He, X.**, Puett, R., and Nguyen, Q. (2020). Twitter-derived social neighborhood characteristics and individual-level cardiometabolic outcomes: Cross-sectional study in a nationally representative sample. *JMIR Public Health and Surveillance* **6**, e17969.
75. Demarco, M.[†], Hyun, N., Carter-Pokras, O., Raine-Bennett, T.R., Cheung, L., Chen, X., Hammer, A., Campos, N., Kinney, W., Gage, J.C., Befano, B., Perkins, R.B., **He, X.**, Dallal, C.M., Chen, J., Poitras, N., Mayrand, M.-H., Coutlee, F., Burk, R.D., Lorey, T., Castle, P.E., Wentzensen, N., and Schiffman, M. (2020). A study of type-specific HPV natural history and implications for contemporary cervical cancer screening programs. *EClinicalMedicine* **22**, 100293.

76. Jiang, Y.[†], **He, X.**, Lee, M.-L.T., Rosner, B., and Yan, J. (2020). Wilcoxon rank-based tests for clustered data with R package clusrank. *Journal of Statistical Software*, in press.
77. Lu, X.[†], Juon, H.-S., **He, X.**, Dallal, C.M., Wang, M.Q., and Lee, S. (2020). A longitudinal assessment of parental caregiving and blood pressure trajectories: Findings from the China Health and Nutrition Survey for women 2000-2011. *Journal of Racial and Ethnic Health Disparities*, in press.
78. Oguntimein, O.[†], Butler III, J., Desmond, S., Green, K.M., **He, X.**, and Horowitz, A.M. (2020). Examining diabetics' knowledge and understanding of the bi-directional relationship between diabetes and periodontal disease. *Journal of the American Board of Family Medicine*, in press.

Book Chapters

79. **He, X.** and Lee, M.-L.T. (2010). First-hitting-time based threshold regression. In *International Encyclopedia of Statistical Science*, M. Lovric (Ed.), New York: Springer, 523–524.
80. **He, X.** and Whitmore, G.A. (2013). Connecting threshold regression and accelerated failure time models. In *Risk Assessment and Evaluation of Predictions*, M.-L. T. Lee, M. Gail, R. Pfeiffer, G. Satten, T. Cai, and A. Gandy (Ed.), New York: Springer, 47–60.
81. **He, X.** and Lee, M.-L.T. (2015). Risk analysis using first hitting times and threshold regression: A review. In *Current Topics on Risk Analysis: ICRA6 and RISK 2015 Conference*, M. Guillén, Á. A. Juan, H. Ramalinho, I. Serra, and C. Serrat (Ed.), Madrid: Fundación Mapfre, 781–786.
82. Li, Y., **He, X.**, Wang, H., and Sun, J. (2016). Joint analysis of longitudinal data and informative observation times with time-dependent random effects. In *New Developments in Statistical Modeling, Inference and Application*, Z. Jin, M. Liu, and X. Luo (Ed.), Cham: Springer, 37–51.
83. **He, X.** and Sun, J. (2021). Count: Poisson and negative binomial regression models. In *Handbook of Statistical Methods for Randomized, Controlled Trials*, K. Kim, F. Bretz, Y. Cheung, and L. Hampson (Ed.), Boca Raton: CRC Press, in press.

Book Review

84. **He, X.** (2014). Statistical Analysis of Panel Count Data by Jianguo Sun, Xingqiu Zhao. *International Statistical Review* **82**, 324.

International Workshop

- Invited Instructor of a One-Week Short Course, *Applied Longitudinal Data Analysis*, Jilin University, Changchun, Jilin, China, June, 2012.

International Invited Oral Presentations

1. School of Mathematics and Statistics, Northeast Normal University, Changchun, Jilin, China, July, 2016.
2. Sixth International Biostatistics Workshop of Jilin University, Changchun, Jilin, China, July, 2016.
3. ICSA Conference on Data Science, International Chinese Statistical Association, Dali, Yunnan, China, July, 2016.
4. Sixth International Conference of the ERCIM WG on Computational and Methodological Statistics, Senate House, University of London, London, United Kingdom, December, 2013.

5. Second International Biostatistics Workshop of Jilin University, Changchun, Jilin, China, June, 2012.
6. Seventh International Conference on Mathematical Methods in Reliability (MMR 2011), Beijing, China, June, 2011.
7. First Joint Biostatistics Symposium, Beijing, China, July, 2010.
8. Department of Statistics and Actuarial Science, University of Waterloo, Waterloo, Ontario, Canada, October, 2008.
9. First International Symposium on Biopharmaceutical Statistics, International Society for Biopharmaceutical Statistics, Shanghai, China, July, 2008.
10. Department of Statistics and Financial Mathematics, Beijing Normal University, Beijing, China, June, 2008.

National Invited Oral Presentations

1. Department of Applied Economics and Statistics, University of Delaware, Newark, DE, October, 2019.
2. Spring Meeting of the Eastern North American Region of the International Biometric Society, Austin, TX, March, 2016.
3. Department of Statistics, University of South Carolina, Columbia, SC, September, 2015.
4. ICSA 2015 Applied Statistics Symposium, International Chinese Statistical Association, Fort Collins, CO, June, 2015.
5. Department of Statistics, Volgenau School of Engineering, George Mason University, Fairfax, VA, April, 2015.
6. Spring Meeting of the Eastern North American Region of the International Biometric Society, Miami, FL, March, 2015.
7. Frontiers in Methodological and Applied Statistics: A Celebration of 50 Years of MU's Department of Statistics, University of Missouri, Columbia, MO, September, 2013.
8. UMB CTSI Design, Biostatistics and Quantitative Research Workshop and Seminar Series, School of Medicine, University of Maryland, Baltimore, MD, May, 2013.
9. ICSA 2011 Applied Statistics Symposium, International Chinese Statistical Association, New York, NY, June, 2011.
10. Spring Meeting of the Eastern North American Region of the International Biometric Society, Miami, FL, March, 2011.
11. Department of Biostatistics, School of Public Health, Johns Hopkins University, Baltimore, MD, November, 2010.
12. Department of Mathematics, University of Maryland, College Park, MD, February, 2010.
13. Central Indiana Chapter, American Statistical Association, Indianapolis, IN, November, 2009.
14. Center for Clinical and Translational Science, The Ohio State University, Columbus, OH, June, 2009.
15. ICSA 2008 Applied Statistics Symposium, International Chinese Statistical Association, Piscataway, NJ, June, 2008.

16. Department of Mathematics and Statistics, Bowling Green State University, Bowling Green, OH, January, 2008.
17. Division of Biostatistics, College of Public Health, The Ohio State University, Columbus, OH, February, 2007.
18. Global Biostatistics and Epidemiology, Amgen Inc., Thousand Oaks, CA, August, 2006.
19. ICOSA 2006 Applied Statistics Symposium, International Chinese Statistical Association, Storrs, CT, June, 2006.

International and National Conference Contributed Oral Presentations

1. Joint Statistical Meetings, Baltimore, MD, August, 2017.
2. Joint Statistical Meetings, Seattle, WA, August, 2015.
3. Joint Statistical Meetings, Boston, MA, August, 2014.
4. Joint Statistical Meetings, San Diego, CA, August, 2012.
5. Joint Statistical Meetings, Vancouver, British Columbia, Canada, August, 2010.
6. Spring Meeting of the Eastern North American Region of the International Biometric Society, New Orleans, LA, March, 2010.
7. Joint Statistical Meetings, Washington, DC, August, 2009.
8. Winemiller 2008 Conference on Survival Analysis and Its Applications, Columbia, MO, October, 2008.
9. Joint Statistical Meetings, Denver, CO, August, 2008.
10. Spring Meeting of the Eastern North American Region of the International Biometric Society, Arlington, VA, March, 2008.
11. Joint Statistical Meetings, Salt Lake City, UT, August, 2007.
12. Spring Meeting of the Eastern North American Region of the International Biometric Society, Atlanta, GA, March, 2007.
13. Joint Statistical Meetings, Seattle, WA, August, 2006.

Active Research Funding

- | | |
|-----------|--|
| 2016–2021 | R01 AI119012 <i>“Lubricant Use and the Vaginal Microbiome”</i> via University of Maryland, Baltimore (Prime Sponsor: National Institute of Allergy and Infectious Diseases; PI: Brotman, R.M.)
Role: Subcontract Principal Investigator (Effort: 15% per year for years 1 to 5) |
| 2015–2020 | R01 AI116799 <i>“Longitudinal Study of the Vaginal Microbiome Prior to Incident STI”</i> via University of Maryland, Baltimore (Prime Sponsor: National Institute of Allergy and Infectious Diseases; PI: Brotman, R.M.)
Role: Subcontract Principal Investigator (Effort: 15% per year for years 2 to 5) |

2020–2021	RSG-16-022-01 “ <i>Integration of Cancer Health Activities into African American Churches</i> ” funded by American Cancer Society (PI: Knott, C.L.) Role: Biostatistician (Effort: 10% per year)
2015–2021	K01 ES028266A “ <i>Systems Science Approaches for Assessing Cumulative Impacts of Air Pollution and Psychosocial Stressors on Neurocognitive Outcomes Among Children</i> ” funded by National Institute of Environmental Health Sciences (PI: Payne-Sturges, D.C.) Role: Statistician (Effort: 5% per year)
2014–present	“ <i>The Epidemiology of Concussions in Ivy League/Big Ten Sports: A Web-Based Registry</i> ” funded by The Council of Ivy League Presidents and The Big Ten Conference (Co-PI: Klossner, D.) Role: Site Principal Investigator (Effort: \$2,000 graduate student support per year)

Completed Research Funding

2018–2020	R01 LM013039 “ <i>HealthyMe/MiSalud Smartphone Application: Identifying Mechanisms to Engage African Americans and Hispanics in Personal Health Libraries</i> ” funded by National Library Of Medicine (PI: Baur, C.E.) Role: Statistician
2017–2020	R01 MD012778 “ <i>Culturally Adapted Multilevel Decision Support Navigation Trial to Reduce Colorectal Cancer Disparity among At-Risk Asian American Primary Care Patients</i> ” funded by National Institute on Minority Health and Health Disparities (PI: Lee, S.) Role: Co-Investigator
2013–2017	R01 HL116533 “ <i>Therapeutic Potential for Aldosterone Inhibition in Duchenne Muscular Dystrophy</i> ” via The Ohio State University (Prime Sponsor: National Heart, Lung, and Blood Institute; PIs: Rafael-Fortney, J.A. and Raman, S.V.) Role: Subcontract Principal Investigator
2014–2016	R01 AR065493 “ <i>Psychosocial Factors and Lupus Disease Progression Among African American Women</i> ” funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases (PI: Chae, D.H.) Role: Statistician
2014–2016	K01 AI080974 “ <i>Molecular Epidemiology of the Vaginal Microbiome</i> ” via University of Maryland, Baltimore (Prime Sponsor: National Institute of Allergy and Infectious Diseases; PI: Brotman, R.M.) Role: Subcontract Principal Investigator
2014–2015	ADVANCE Interdisciplinary and Engaged Research Seed Grant “ <i>Grit and Literacy among Minority Students</i> ” funded by the University of Maryland (PI: O’Neal, C.) Role: Co-Investigator
2014	U19 DE022516 “ <i>The National Dental Practice-Based Research Network (PBRN)</i> ” via University of Alabama at Birmingham and The Ohio State University (Prime Sponsor: National Institute of Dental and Craniofacial Research; PI: Gilbert, G.H.) Role: Subcontract Principal Investigator
2013–2014	Cancer Epidemiology Alliance (UMCEA) Joint Research Pilot Grant “ <i>Oral and Vaginal Human Papillomavirus (HPV) Detection in a Smoking Cessation Study</i> ”

- funded by the University of Maryland Greenebaum Cancer Center (Co-PI: Brotman, R.M.)
Role: Co-Principal Investigator
- 2013–2014 Cancer Epidemiology Alliance (UMCEA) Joint Research Pilot Grant “*Screening Lung Cancer in Population of Smokers*” funded by the University of Maryland Greenebaum Cancer Center (Co-PI: Jiang, F.)
Role: Co-Principal Investigator
- 2012–2014 R01 HL095563 “*Iron and Atherosclerosis*” via The Ohio State University (Prime Sponsor: National Heart, Lung, and Blood Institute; PI: Raman, S.V.)
Role: Subcontract Principal Investigator
- 2012–2013 “*Develop and Analyze a Survey on the Psychosocial Aspects of HPV Related Oral Cancer*” funded by The Ohio State University
Role: Principal Investigator
- 2011–2012 Health IT Seed Grant “*Investigating Disparity of Bone Health by Integrating Bone Mineral Density Data*” funded by the University of Maryland (Co-PIs: Lee, M.-L.T. and Hochberg, M.C.)
Role: Co-Principal Investigator
- 2011–2012 “*Human Papillomavirus (HPV) Natural History Study*” funded by The Ohio State University (Co-PI: Rosenbaum, J.)
Role: Co-Principal Investigator
- 2009–2011 R01 OH008649 “*Regression Methodology for Cancer Risk Assessment*” funded by National Institute for Occupational Safety and Health (PI: Lee, M.-L.T.)
Role: Biostatistician
- 2009 R01 HL095563 “*Iron and Atherosclerosis*” funded by National Heart, Lung, and Blood Institute (PI: Raman, S.V.)
Role: Co-Investigator
- 2008–2009 Statistical Support Grant funded by The Ohio State University Comprehensive Transplant Center
Role: Principal Investigator
- 2008–2009 R01 CA131029 “*Fatigue, Depression, and Inflammation in Cancer Survivors: A Prospective Study*” funded by National Cancer Institute (PI: Kiecolt-Glaser, J.K.)
Role: Co-Investigator
- 2009 R01 AG029562 “*Aging, Stress, Fatty Acids and Inflammation*” funded by National Institute on Aging (PI: Kiecolt-Glaser, J.K.)
Role: Biostatistician
- 2008–2009 0865376D “*Childhood Overweight and Obesity: Prospective Analyses of Child Behavior Problems as a Risk Factor for Obesity*” funded by American Heart Association – Great Rivers Affiliate (P.I.: Anderson, S.E.)
Role: Biostatistician
- 2008–2009 UL1 RR025775 “*The Ohio State University Center for Clinical and Translational Science, Biostatistics Core*” funded by National Center for Research Resources (PI: Jackson, R. D.)
Role: Biostatistician

2007–2008

R01 OH008649 “Regression Methodology for Cancer Risk Assessment” funded by National Institute for Occupational Safety and Health (PI: Lee, M.-L.T.)
Role: Biostatistician

Teaching

- Graduate Courses Taught at the University of Maryland (100% teaching responsibility)

‡ indicates the average score of five administrator items from the course evaluation reports.

Semester	Course Name	# of Credits	# of Students	Overall Student Evaluation Score [‡]
Fall 2009	EPIB 650 <i>Biostatistics I</i>	3	28	3.7/4.0
Spring 2010	EPIB 650 <i>Biostatistics I</i>	3	11	3.6/4.0
Fall 2010	EPIB 650 <i>Biostatistics I</i>	3	25	3.8/4.0
Fall 2010	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Fall 2010	EPIB 898 <i>Pre-Candidacy Research</i>	3	1	-
Spring 2011	EPIB 650 <i>Biostatistics I</i>	3	20	3.6/4.0
Spring 2011	EPIB 799 <i>Master’s Thesis Research</i>	3	1	-
Spring 2011	STAT 898 <i>Pre-Candidacy Research</i>	3	1	-
Fall 2011	EPIB 650 <i>Biostatistics I</i>	3	41	3.6/4.0
Fall 2011	STAT 898 <i>Pre-Candidacy Research</i>	3	1	-
Spring 2012	EPIB 650 <i>Biostatistics I</i>	3	18	3.6/4.0
Spring 2012	STAT 898 <i>Pre-Candidacy Research</i>	3	1	-
Summer I 2012	STAT 898 <i>Pre-Candidacy Research</i>	1	1	-
Fall 2012	EPIB 650 <i>Biostatistics I</i>	3	32	3.8/4.0
Fall 2012	EPIB 655 <i>Longitudinal Data Analysis</i>	3	11	3.5/4.0
Spring 2013	EPIB 650 <i>Biostatistics I</i>	3	25	3.8/4.0
Spring 2013	EPIB 653 <i>Applied Survival Data Analysis</i>	3	15	3.5/4.0
Spring 2013	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Spring 2013	EPIB 798 <i>Independent Study</i>	3	1	-
Summer I 2013	EPIB 650 <i>Biostatistics I</i>	3	6	3.8/4.0
Spring 2014	EPIB 650 <i>Biostatistics I</i>	3	29	3.6/4.0
Summer I 2014	EPIB 650 <i>Biostatistics I</i>	3	9	3.3/4.0
Fall 2014	EPIB 650 <i>Biostatistics I</i>	3	26	3.8/4.0
Fall 2014	EPIB 655 <i>Longitudinal Data Analysis</i>	3	12	3.9/4.0
Spring 2015	EPIB 653 <i>Applied Survival Data Analysis</i>	3	14	3.8/4.0
Spring 2015	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Summer I 2015	EPIB 798 <i>Independent Study</i>	1	1	-
Fall 2015	EPIB 650 <i>Biostatistics I</i>	3	42	3.8/4.0
Fall 2015	EPIB 655 <i>Longitudinal Data Analysis</i>	3	7	3.9/4.0
Winter 2016	EPIB 798 <i>Independent Study</i>	3	1	-
Spring 2016	EPIB 650 <i>Biostatistics I</i>	3	25	3.8/4.0
Spring 2016	EPIB 786 <i>Capstone Project in Public Health</i>	3	2	-
Summer II 2016	EPIB 650 <i>Biostatistics I</i> (Online)	3	27	3.6/4.0
Fall 2016	EPIB 650 <i>Biostatistics I</i>	3	25	3.7/4.0
Fall 2016	EPIB 655 <i>Longitudinal Data Analysis</i>	3	12	3.6/4.0
Fall 2016	EPIB 798 <i>Independent Study</i>	3	1	-
Fall 2016	EPIB 898 <i>Pre-Candidacy Research</i>	3	1	-
Spring 2017	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Spring 2017	EPIB 898 <i>Pre-Candidacy Research</i>	3	1	-
Fall 2017	EPIB 650 <i>Biostatistics I</i>	3	22	3.8/4.0
Fall 2017	EPIB 655 <i>Longitudinal Data Analysis</i>	3	14	3.8/4.0
Fall 2017	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Fall 2017	EPIB 898 <i>Pre-Candidacy Research</i>	3	1	-
Spring 2018	EPIB 650 <i>Biostatistics I</i>	3	28	3.8/4.0
Spring 2018	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Spring 2018	EPIB 798 <i>Independent Study</i>	1	1	-

Semester	Course Name	# of Credits	# of Students	Overall Student Evaluation Score [‡]
Summer I 2018	EPIB 650 <i>Biostatistics I</i> (Online)	3	16	3.5/4.0
Summer I 2018	EPIB 655 <i>Longitudinal Data Analysis</i>	3	9	3.9/4.0
Fall 2018	EPIB 651 <i>Biostatistics II</i>	3	16	3.9/4.0
Fall 2018	EPIB 655 <i>Longitudinal Data Analysis</i>	3	11	3.9/4.0
Spring 2019	EPIB 651 <i>Applied Regression Analysis</i>	3	22	3.9/4.0
Spring 2019	EPIB 786 <i>Capstone Project in Public Health</i>	3	1	-
Summer I 2019	EPIB 650 <i>Biostatistics I</i> (Online)	3	5	3.3/4.0
Summer I 2019	EPIB 655 <i>Longitudinal Data Analysis</i>	3	7	4.0/4.0
Summer I 2019	EPIB 778 <i>Internship in Public Health</i>	4	12	-
Summer I 2019	EPIB 785 <i>Internship in Public Health</i>	3	2	-
Fall 2019	EPIB 655 <i>Longitudinal Data Analysis</i>	3	19	3.7/4.0
Fall 2019	EPIB 778 <i>Internship in Public Health</i>	4	4	-
Fall 2019	EPIB 785 <i>Internship in Public Health</i>	3	2	-
Spring 2020	EPIB 651 <i>Applied Regression Analysis</i>	3	20	3.9/4.0
Spring 2020	EPIB 778 <i>Internship in Public Health</i>	4	11	-
Spring 2020	EPIB 785 <i>Internship in Public Health</i>	3	1	-
Spring 2020	EPIB 786 <i>Capstone Project in Public Health</i>	3	4	-
Summer I 2020	EPIB 655 <i>Longitudinal Data Analysis</i>	3	12	3.8/4.0
Summer I 2020	EPIB 778 <i>Internship in Public Health</i>	4	3	-

- Graduate Courses Taught at The Ohio State University (100% teaching responsibility)

Quarter	Course Name	# of Credits	# of Students	Overall Student Evaluation Score
Autumn 2007	PUBH-BIO 624 <i>Applied Longitudinal Data Analysis</i>	3	22	4.8/5.0
Winter 2008	PUBH-BIO 605 <i>Applied Survival Analysis</i>	3	32	4.7/5.0
Winter 2009	PUBH-BIO 605 <i>Applied Survival Analysis</i>	3	17	4.7/5.0
Spring 2009	PUBH-BIO 706 <i>Regression Modeling of Time-to-Event Data</i>	3	6	5.0/5.0

Mentoring and Advising

- Advisees (as Major Advisor) at the University of Maryland ($n = 23$)
 1. Chang Chen (Ph.D. student in Biostatistics & Bioinformatics, 2018–present)
 2. Yixin Ren (Ph.D. in Mathematical Statistics, graduated in 2019, working as Senior Scientist, Biostatistics at Merck)
Ph.D. Dissertation: *Regression Analysis of Recurrent Events with Measurement Errors* (co-chaired with Dr. Paul J. Smith from the Department of Mathematics)
 3. Ran Ji (Ph.D. in Mathematical Statistics, graduated in 2014, working as Principal Statistician at GlaxoSmithKline)
Ph.D. Dissertation: *Semiparametric Threshold Regression Analysis of Time-to-Event Data* (co-chaired with Dr. Abram M. Kagan from the Department of Mathematics)
 4. Adele Fu (MPH student in Biostatistics, 2020–present)
 5. Rebecca Mead (MPH student in Biostatistics, 2020–present)
 6. Chelsy Thompson (MPH student in Biostatistics, 2020–present)
 7. Xuyuan Zhang (MPH student in Biostatistics, 2019–present)

8. Elizabeth Brown (MPH student in Biostatistics, 2018–present)
 9. Li-Yen (Rebecca) Hu (MPH in Biostatistics, graduated in 2020, working as Mathematical Statistician at the National Center for Health Statistics)
 10. Yan Qiao (MPH in Biostatistics, graduated in 2020)
 11. David Santos (MPH in Biostatistics, graduated in 2020, working as Product Owner at Emmes)
 12. Hua Zhou (MPH in Biostatistics, graduated in 2020)
 13. Jee Chong (MPH in Biostatistics, graduated in 2019, working as Mathematical Statistician at U.S. Census Bureau)
 14. Weibo Chen (MPH in Biostatistics, graduated in 2018, pursuing an MS in Information Systems at the University of Maryland)
 15. Chengxin Liu (MPH in Biostatistics, graduated in 2018, working as Biostatistician at Johns Hopkins University Institute for Genetic Medicine)
 16. Yunjiang Ge (MPH in Biostatistics, graduated in 2017, pursuing a Ph.D. in Biostatistics & Bioinformatics at the University of Maryland)
 17. Wenwen Fan (MPH in Biostatistics, graduated in 2017, working as Statistical Programmer at United Therapeutics Corporation)
 18. Jiayun Lu (MPH in Biostatistics, graduated in 2016, working as Biostatistician at Johns Hopkins University School of Medicine)
 19. Tingting Qin (MPH in Biostatistics, graduated in 2015, working as Data Consultant at Kaiser Permanente)
 20. David (Chu) Wu (MPH in Biostatistics, graduated in 2013, working as B2B Risk Manager at Alibaba Group)
 21. David Phillips (MPH student in Biostatistics, supervised as Academic Advisor, 2011–2013)
 22. Kejia Wang (MPH in Biostatistics, graduated in 2011, obtained a Ph.D. in Biostatistics at the University of Southern California, working as Biostatistics Manager at Amgen)
 23. Margaret Amankwa-Sakyi (MPH in Biostatistics, graduated in 2010, working as Biostatistician at FDA)
- Members of the Committees of Graduate Students at the University of Maryland ($n = 102$)

Department of Epidemiology and Biostatistics ($n = 50$)

1. Amanda Ng (Ph.D. student in Epidemiology, 2020–present)
2. Jessica Keralis (Ph.D. student in Epidemiology, 2019–present)
3. Jonathan Aram (Ph.D. student in Epidemiology, 2019–present)
4. Bethany Ogbenna (Ph.D. student in Epidemiology, 2019–present)
5. Lakeshia Watson (Ph.D. student in Epidemiology, 2018–present)
6. Rajrupa Ghosh (Ph.D. student in Epidemiology, 2018–present)
7. Yixi Xu (Ph.D. in Epidemiology, graduated in 2020)
8. Mary Young-Ah Jung (Ph.D. in Epidemiology, graduated in 2019)
9. Dina Huang (Ph.D. in Epidemiology, graduated in 2019)
10. Xiaoxiao Lu (Ph.D. in Epidemiology, graduated in 2017)
11. Jared Fisher (Ph.D. in Epidemiology, graduated in 2017)
12. Jennifer Guida (Ph.D. in Epidemiology, graduated in 2017)
13. Allison O’Neill (Ph.D. in Epidemiology, graduated in 2016)

14. Graciela Jaschek (Ph.D. in Epidemiology, graduated in 2014)
15. Steven Champaloux (Ph.D. in Epidemiology, graduated in 2013)
16. Mariano Kanamori (Ph.D. in Epidemiology, graduated in 2013, recipient of the University of Maryland Distinguished Dissertation Award)
17. Zhenyao Ye (MPH in Biostatistics, graduated in 2020)
18. Eric Tang (MPH in Biostatistics, graduated in 2019)
19. Yanfang Zhang (MPH in Biostatistics, graduated in 2019)
20. Emily Jenkins (MPH in Epidemiology, graduated in 2019)
21. Maheen Humayun (MPH in Epidemiology, graduated in 2019)
22. Marwa Al-Nassir (MPH in Epidemiology, graduated in 2019)
23. Christopher Cairns (MPH in Epidemiology, graduated in 2018)
24. India James (MPH in Epidemiology, graduated in 2018)
25. Jun Chu (MPH in Biostatistics, graduated in 2017)
26. Soo Kyung Park (MPH in Biostatistics, graduated in 2017)
27. Christina Stennett (MPH in Epidemiology, graduated in 2017)
28. Celena Kinsey (MPH in Epidemiology, graduated in 2017)
29. Lulu (Beatrice) Pan (MPH in Biostatistics, graduated in 2016)
30. Agnieszka Roman (MPH in Epidemiology, graduated in 2016)
31. Hwa (Jamie) Sim (MPH in Epidemiology, graduated in 2016)
32. Pamela Barainca (MPH in Epidemiology, graduated in 2016)
33. William Carter (MPH in Biostatistics, graduated in 2015)
34. Jessica Bermudez (MPH in Epidemiology, graduated in 2015)
35. Kelly Verdin (MPH in Epidemiology, graduated in 2015)
36. Ashley Woodall (MPH in Epidemiology, graduated in 2015)
37. Nicole Kornspan (MPH in Biostatistics, graduated in 2014)
38. Michelle Li (MPH in Biostatistics, graduated in 2014)
39. Dan Levy (MPH in Epidemiology, graduated in 2014)
40. Ann Nothwehr (MPH in Epidemiology, graduated in 2014)
41. Kanokphan Rattanawatkul (MPH in Epidemiology, graduated in 2014)
42. Man Huang (MPH in Biostatistics, graduated in 2013)
43. Geok Yan Loo (MPH in Biostatistics, graduated in 2013)
44. Jared Frank (MPH in Epidemiology, graduated in 2013)
45. Mary Young-Ah Jung (MPH in Epidemiology, graduated in 2013)
46. Kristen Kamas (MPH in Epidemiology, graduated in 2012)
47. Heather Stone (MPH in Epidemiology, graduated in 2012)
48. Maria Demarco (MPH in Epidemiology, graduated in 2011)
49. Xue Han (MPH in Biostatistics, graduated in 2010)
50. Jia Wang (MPH in Biostatistics, graduated in 2010)

Other Departments in the School of Public Health ($n = 28$)

51. Sara Olsen (Ph.D. student in Behavioral and Community Health, 2019–present)

52. Richard Remigio (Ph.D. student in Environmental Health Sciences, 2019–present)
53. Jenifer Fahey (Ph.D. student in Maternal and Child Health, 2019–present)
54. Liyang Xie (Ph.D. in Health Services, graduated in 2020)
55. Oluwamurewa Oguntimein (Ph.D. in Behavioral and Community Health, graduated in 2019)
56. Nora Mueller (Ph.D. in Behavioral and Community Health, graduated in 2019)
57. Priscilla Novak (Ph.D. in Health Services, graduated in 2019)
58. Jessica Montresor-López (Ph.D. in Toxicology and Environmental Health, graduated in 2019)
59. Rianna Murray (Ph.D. in Toxicology and Environmental Health, graduated in 2018)
60. Bradley Ritland (Ph.D. in Kinesiology, graduated in 2018)
61. Meaghan McHugh (Ph.D. in Behavioral and Community Health, graduated in 2018)
62. Yassaman Vafai (Ph.D. in Maternal and Child Health, graduated in 2018)
63. Kristen Burwell (Ph.D. in Toxicology and Environmental Health, graduated in 2017)
64. Raphael Gaeta (Ph.D. in Health Services, graduated in 2017)
65. Robin Bloodworth (Ph.D. in Health Services, graduated in 2017)
66. Greg Raspanti (Ph.D. in Toxicology and Environmental Health, graduated in 2016)
67. Ada Determan (Ph.D. in Maternal and Child Health, graduated in 2016)
68. Mili Duggal (Ph.D. in Maternal and Child Health, graduated in 2014)
69. Jessica DiBari (Ph.D. in Maternal and Child Health, graduated in 2014)
70. Rachel Elizabeth Rosenberg Goldstein (Ph.D. in Toxicology and Environmental Health, graduated in 2013)
71. Barbara Singer (Ph.D. in Maternal and Child Health, graduated in 2012)
72. Kranti Vora (Ph.D. in Maternal and Child Health, graduated in 2012)
73. Rabab Haider (MPH in Behavioral and Community Health, graduated in 2016)
74. Jessica Montresor-López (MPH in Environmental Health Sciences, graduated in 2013)
75. Rebecca Wood (MPH in Environmental Health Sciences, graduated in 2013)
76. Cynthia Bashore (MPH in Environmental Health Sciences, graduated in 2012)
77. Greg Raspanti (MPH in Environmental Health Sciences, graduated in 2012)
78. Michelle Collins (MPH in Environmental Health Sciences, graduated in 2011)

Other Colleges/Schools ($n = 24$)

79. Yuyin Shi (Ph.D. student in Mathematical Statistics, 2020–present)
80. Xin Qiao (Ph.D. student in Measurement, Statistics and Evaluation, 2020–present)
81. Jinwang Zou (Ph.D. student in Measurement, Statistics and Evaluation, 2020–present)
82. Edward Kruse (Ph.D. student in Marine-Estuarine-Environmental Sciences, 2011–present)
83. Manqian Liao (Ph.D. in Measurement, Statistics and Evaluation, graduated in 2020)
84. Lingxiao Wang (Ph.D. in Survey Methodology, graduated in 2020)
85. Jordan Prendez (Ph.D. in Measurement, Statistics and Evaluation, graduated in 2020)
86. Tianhui Zhang (Ph.D. in Mathematical Statistics, graduated in 2019)
87. Daniel Lee (Ph.D. in Measurement, Statistics and Evaluation graduated in 2019)
88. Chen Wang (Ph.D. in Mathematical Statistics, graduated in 2018)
89. Jinhang Xue (Ph.D. in Mathematical Statistics, graduated in 2018)

90. Jessie Moon (Eun-Young Kim) (Ph.D. in Mathematical Statistics, graduated in 2017)
 91. Qi Yao (Ph.D. in Civil and Environmental Engineering, graduated in 2017)
 92. Luquan Yu (Ph.D. in Mathematical Statistics, graduated in 2017)
 93. Crystal Romeo (Ph.D. in Marine-Estuarine-Environmental Sciences, graduated in 2016)
 94. Jing Yan (Ph.D. in Chemical Engineering, graduated in 2016)
 95. Meiyu Shen (Ph.D. in Applied Statistics, graduated in 2015)
 96. Yuan Zhang (Ph.D. in Measurement, Statistics and Evaluation graduated in 2015)
 97. Tongyun Li (Ph.D. in Measurement, Statistics and Evaluation, graduated in 2014)
 98. Amy Schweitzer (Ph.D. in Nutrition and Food Science, graduated in 2014)
 99. Kijoeng Nam (Ph.D. in Mathematical Statistics, graduated in 2014)
 100. Jing Li (Ph.D. in Applied Statistics, graduated in 2013)
 101. Soo Eun Chae (Ph.D. in Educational Psychology, graduated in 2011)
 102. Rongshuang Lin (MA in Mathematical Statistics, graduated in 2013)
- Member of Thesis Committee of Undergraduate Student at the University of Maryland ($n = 1$)
 1. Jonathan Fix (BS in Individual Studies: Epidemiology and Ethics, graduated in 2016)
 - Advisees (as Major Advisor) at The Ohio State University ($n = 6$)
 1. Robert Pickard (Dual MS in Biostatistics and Epidemiology, graduated in 2009, working at The Ohio State University James Comprehensive Cancer Center)
MS Thesis: *Factors Associated with Anonymous HIV Testing at a Community-Based Testing Site in Columbus, OH* (co-chaired with Dr. David Murray from the Division of Epidemiology)
 2. Mahmoud Abdel-Rasoul (Ph.D. student in Biostatistics, 2008–2009)
 3. Tao Xiao (Ph.D. student in Biostatistics, 2008–2009)
 4. Mihyun Chang (MPH student in Biostatistics, 2008–2009)
 5. Younsu Choi (MS student in Biostatistics, 2007–2009)
 6. Brian Palmer (MPH student in Biostatistics, 2007–2009)
 - Members of the Committees of Graduate Students at The Ohio State University ($n = 5$)
 1. Tao Xiao (Ph.D. student in Biostatistics, 2009–2012)
 2. Marisa Bittoni (Ph.D. student in Epidemiology, 2008–2009)
 3. John McLaughlin (Ph.D. student in Epidemiology, 2009)
 4. Paul Rosile (Ph.D. student in Environmental Health Sciences, 2008–2009)
 5. Angela Pedroza (MPH in Biostatistics, graduated in 2008)

Professional Memberships and Leadership

- Program Chair for Statistical Computing, Washington Statistical Society, American Statistical Association, 2015–2018
- Member, American Statistical Association
- Member, International Biometric Society (Eastern North American Region)
- Permanent Member, International Chinese Statistical Association

Reviewing Activities

2019–2023	Member Subcommittee on Healthcare Informatics, Health Service Research and Development (HSR&D) Service Merit Review Board, Department of Veterans Affairs (VA)
2016–2019	Invited Grant Reviewer Health Service Research and Development (HSR&D), Office of Research and Development, Department of Veterans Affairs (VA)
2014	Invited Grant Reviewer Maternal and Child Health (MCH) Grant Program, Health Resources and Services Administration (HRSA), Department of Health and Human Services (DHHS)
2013	Invited Grant Reviewer Research Integrity (RRI) Granting Program, Office of Research Integrity (ORI), Office of the Assistant Secretary for Health (OASH), Department of Health and Human Services (DHHS)
2007–present	Ad Hoc Journal Reviewer <u>Statistical Journals</u> Annals of Applied Statistics Biometrics Biostatistics Brazilian Journal of Probability and Statistics Canadian Journal of Statistics Communications in Statistics - Theory and Methods Computational Statistics & Data Analysis Journal of American Statistical Association Journal of Biopharmaceutical Statistics Journal of Multivariate Analysis Journal of Nonparametric Statistics Journal of Statistical Computation and Simulation Lifetime Data Analysis Stata Journal Statistica Sinica Statistics in Medicine The International Journal of Biostatistics <u>Medical and Public Health Journals</u> American Journal of Public Health Annals of Behavioral Medicine Circulation: Cardiovascular Quality and Outcomes Global Public Health IEEE Transactions on Neural Networks Journal of Cancer Research & Therapy Learning and Individual Differences Medical Physics Prevention Science Sociological Methods and Research

Leadership Roles in International and National Conferences

- 2016 Plenary Session Chair
Sixth International Biostatistics Workshop of Jilin University, Changchun, Jilin, China
- 2015 Session Organizer
Survival Methods for Risk Analysis, Joint Statistical Meetings, Seattle, WA
- 2014 Invited Session Chair
Recent Advances in Lifetime Data Analysis, Spring Meeting of the Eastern North American Region of the International Biometric Society, Baltimore, MD
- 2013 Invited Session Organizer
Recent Advances in Event History Analysis, Joint Conference by the International Chinese Statistical Association (ICSA) and the International Society for Biopharmaceutical Statistics (ISBS) , Bethesda, MD
- 2013 Invited Session Organizer
Recent Advances in Survival and Event History Analysis, Spring Meeting of the Eastern North American Region of the International Biometric Society, Orlando, FL
- 2012 Session Chair
Stochastic Models for Longitudinal and Time to Event Data, Joint Statistical Meetings, San Diego, CA
- 2011 Invited Session Organizer
Advances in Risk Analysis, Joint Statistical Meetings, Miami Beach, FL
- 2011 Invited Session Chair
Survival Analysis and Clinical Trials, Spring Meeting of the Eastern North American Region of the International Biometric Society, Miami, FL
- 2011 Invited Session Organizer
Risk Assessment and Survival Analysis, Spring Meeting of the Eastern North American Region of the International Biometric Society, Miami, FL
- 2010 Invited Session Chair
International Conference in Probability and Statistics in Honor of P.L. Hsu's 100th Birthday, Peking University, Beijing, China
- 2010 Session Chair
Estimating Equations, Spring Meeting of the Eastern North American Region of the International Biometric Society, New Orleans, LA
- 2010 Session Organizer
Recent Advances in Survival and Risk Analysis, Joint Statistical Meetings, Vancouver, British Columbia, Canada
- 2009 Invited Session Organizer
Analysis of Longitudinal Data with Informative Observation and Dropout Processes, Spring Meeting of the Eastern North American Region of the International Biometric Society, San Antonio, TX
- 2008 Invited Session Chair
Winemiller 2008 Conference on Survival Analysis and Its Applications, Columbia, MO

- 2008 Session Chair
Pathway Analysis Methods in Genomics, Joint Statistical Meetings, Denver, CO
- 2008 Session Chair
Statistical Applications in Biopharmaceutical Safety, the First International Symposium on Biopharmaceutical Statistics, International Society for Biopharmaceutical Statistics, Shanghai, China
- 2008 Session Chair
Design of Experiments and Survival Analysis, ICSA 2008 Applied Statistics Symposium, International Chinese Statistical Association, Piscataway, NJ
- 2007 Session Chair
Longitudinal Data Applications, Spring Meeting of the Eastern North American Region of the International Biometric Society, Atlanta, GA

Departmental Service

- 2019–present Chair
Graduate Recruitment and Admissions Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2019–present Member
Executive Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2015–present Member
Curriculum Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2015–present Member
Comprehensive Examination Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2020–2021 Member
Epidemiology Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2020 Chair
Biostatistics Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2014–2019 Member
Graduate Recruitment and Admissions Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2017–2018 Chair
Biostatistics Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland
- 2017–2018 Member
Admissions Committee, Joint Ph.D. Program with Concentration in Biostatistics and Bioinformatics (STAT-BB), Department of Mathematics, University of Maryland

2017–2018 Member
Integrated Core Course Revision Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2016–2017 Member
Department Chair Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2016–2017 Member
Epidemiology Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2015–2017 Member
Executive Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2015 Member
Peer Teaching Review Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2015 Member
Course Scheduling Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2012–2014 Chair
Biostatistics Curriculum Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2013–2014 Member
Biostatistics Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2009–2012 Member
MPH in Biostatistics Admissions Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2011–2012 Member
Biostatistics Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2011–2012 Member
Epidemiology Faculty Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2010–2011 Member
Department Chair Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

2010 Member
Merit Pay Proposal Committee, Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland

School Service

2019–present Member
Graduate Public Health Committee, School of Public Health, University of Maryland

2019–present	Member Programs, Curricula and Courses Committee, School of Public Health, University of Maryland
2019–present	Member SPH Honors Convocation/Undergraduate Scholarship Committee, School of Public Health, University of Maryland
2012–2017	Member Innovation and Technology Advisory Committee, School of Public Health, University of Maryland
2015	Member Diversity Council, School of Public Health, University of Maryland
2015	Poster Judge Third Annual Public Health Research @ Maryland Day, School of Public Health, University of Maryland
2014–2015	Member Faculty Steering Committee for Public Health Science, School of Public Health, University of Maryland

University Service

2014–present	Member Board of Directors, Association of Chinese American Professors and Scientists, University of Maryland
2017–2021	Member Executive Committee, Maryland Population Research Center, University of Maryland
2019–2020	Member Faculty-Student Research Award (FSRA) Selection Committee, Graduate School, University of Maryland
2018	Member Semester Research and Scholarship Award (RSA) Selection Committee, Graduate School, University of Maryland
2018	Member Summer Research and Scholarship Award (RSA) Selection Committee, Graduate School, University of Maryland
2015–2016	Member Educational Affairs Committee, University Senate, University of Maryland
2012–2015	Member General Education Committee, University Senate, University of Maryland
2011	Local Arrangements Chair Conference on Risk Assessment and Evaluation of Predictions, Silver Spring, MD (organized by University of Maryland)
2010–2011	Member Faculty Search Committee, Department of Measurement, Statistics and Evaluation, College of Education, University of Maryland

Other Academic Service

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| 2008–2009 | Chair
MS/MPH Admissions Committee, Division of Biostatistics, College of Public Health,
The Ohio State University |
| 2008–2009 | Member
Faculty Awards Committee, College of Public Health, The Ohio State University |
| 2007–2009 | Graduate Faculty Representative
Graduate School, The Ohio State University |