

Loni Philip Tabb, Ph.D.

CONTACT INFORMATION	Drexel University Dornsife School of Public Health Department of Epidemiology and Biostatistics 3215 Market Street Philadelphia, Pennsylvania 19104 USA	<i>Office:</i> +1-267-359-6217 <i>Fax:</i> +1-267-359-6201 <i>E-mail:</i> lpp22@drexel.edu <i>WWW:</i> www.drexel.edu/dornsife
RESEARCH INTERESTS	Spatial and spatio-temporal statistics/epidemiology, disease mapping, health and social disparities, categorical data analysis, Bayesian methods	
EDUCATION	Harvard University , Cambridge, Massachusetts Ph.D., Biostatistics, 2010 <ul style="list-style-type: none">• Dissertation: <i>Multilevel Models for Zero-Inflated Count Data in Environmental Health and Health Disparities Research</i>• Advisor: Brent A. Coull, Ph.D. A.M., Biostatistics, 2007 Drexel University , Philadelphia, Pennsylvania M.S., Mathematics, 2005 B.S., Mathematics, 2003	
ACADEMIC APPOINTMENTS	Associate Professor (with Tenure) Department of Epidemiology and Biostatistics Drexel University Philadelphia, Pennsylvania	2017 to present
	Assistant Professor Department of Epidemiology and Biostatistics Drexel University Philadelphia, Pennsylvania	2009 to 2017
	Research Assistant Department of Biostatistics Harvard University Boston, Massachusetts	2007 to 2009
	Research Assistant Departments of Biostatistics and Society, Human Development & Health Harvard University Boston, Massachusetts	2006

1. **Tabb, L. P.**, Ortiz, A.**, Judd, S., Cushman, M., McClure, L. A. (2020). Exploring the spatial patterning in racial differences in cardiovascular health between blacks and whites across the United States: the REGARDS study. *Journal of the American Heart Association*, 9(9), e016556. Chicago
2. **Tabb, L. P.**, McClure, L. A., Ortiz, A.**, Melly, S., Jones, M. R., Kershaw, K. N., & Roux, A. V. D. (2020). Assessing the spatial heterogeneity in black-white differences in optimal cardiovascular health and the impact of individual-and neighborhood-level risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). *Spatial and Spatio-temporal Epidemiology*, 33, 100332.
3. Alberto, C. K.**, Pintor, J. K., Langellier, B., **Tabb, L. P.**, Martínez-Donate, A. P., Stimpson, J. P. (2020). Association of maternal characteristics with latino youth health insurance disparities in the United States: a generalized structural equation modeling approach. *BMC Public Health*, 20(1), 1-8.
4. Benn, E.K.T., **Tabb, L. P.**, Exum, P., Moore, R.H., Morales, K.H, Simpson, F., Lawrence, S.A., Bellamy, S.L. (2020). Creating and sustaining effective pipeline initiatives to increase diversity in biostatistics: the ENAR Fostering Diversity in Biostatistics Workshop. *Journal of Statistics Education*. Accepted.
5. Feito, Y., Burrows, E.**, **Tabb, L. P.**, Ciesielka, K. A.** (2020). Breaking the myths of competition: a cross-sectional analysis of injuries among CrossFit trained participants. *BMJ Open Sport & Exercise Medicine*, 6(1), e000750.
6. Tran, N. K., Goldstein, N. D., Purtle, J., Massey, P. M., Lankenau, S. E., Suder, J. S., **Tabb, L. P.** (2020). The heterogeneous effect of marijuana decriminalization policy on arrest rates in Philadelphia, Pennsylvania, 2009–2018. *Drug and Alcohol Dependence*, 108058.
7. Fry, D., Kioumourtzoglou, M. A., Treat, C. A., Burke, K. R., Evans, D., **Tabb, L. P.**, ... Lovasi, G. S. (2019). Development and validation of a method to quantify benefits of clean-air taxi legislation. *Journal of Exposure Science & Environmental Epidemiology*, 1-12.
8. **Tabb, L. P.**, McClure, L.A., Quick, H., Purtle, J., and Diez Roux, A. (2018). Assessing the spatial heterogeneity in overall health across the United States using spatial regression methods: The contribution of health factors and county-level demographics, *Health and Place*, 51, 68-77.
9. **Tabb, L. P.**, Fillmore, C.**, Melly, S. (2018). Location, location, location: Assessing the spatial patterning between marijuana licenses, alcohol outlets, and neighborhood characteristics within Washington state, *Drug and Alcohol Dependence*, 185, 214-218.

10. Goldstein, N. D., Tuttle, D., **Tabb, L. P.**, Paul, D., Eppes, S. L. (2017). Spatial and Environmental Correlates of Organism Colonization and Infection in the Neonatal Intensive Care Unit, *The Journal of Perinatology*, 38(5), 567.
11. Mayne, S. L.** , Auchincloss, A. H., **Tabb, L. P.**, Stehr, M., Shikany, J. M., Schreiner, P. J., Widome, R., & Gordon-Larsen, P. (2017). Associations of Bar and Restaurant Smoking Bans with Smoking Behavior in the CARDIA Study: a 25-Year Study. *American Journal of Epidemiology*, 187(6), 1250-1258.
12. LeVasseur, M. T.** , Goldstein, N. D., **Tabb, L. P.**, Olivieri-Mui, B. L., Welles, S. L. (2018). The Effect of PrEP on HIV Incidence Among Men Who Have Sex With Men in the Context of Condom Use, Treatment as Prevention, and Seroadaptive Practices, *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 77(1), 31-40.
13. Park, B. Y.** , Lee, B. K., Burstyn, I., **Tabb, L. P.**, Keelan, J. A., Whitehouse, A. J., ... , Newschaffer, C. J. (2017). Umbilical cord blood androgen levels and ASD-related phenotypes at 12 and 36 months in an enriched risk cohort study, *Molecular Autism*, 8(1), 3.
14. Goldstein, N., Newbern, E. C., **Tabb, L. P.**, Welles, S. L. (2017). Density of Day Cares in Relation to Reported Pertussis Incidence in Philadelphia, *Public Health*, 146, 126-133.
15. Baek, J., Hirsch, J.A., Moore, K., **Tabb, L. P.**, Barrientos-Gutierrez, Lisabeth, L.D., Diez Roux, A., Sanchez, B.N. (2017). Methods to study variation in the associations between food store availability and body mass index across distance, individuals and contexts in the Multi-Ethnic Study of Atherosclerosis (MESA). *Epidemiology*, 28(3), 403-411.
16. Mayne, S. L.** , Auchincloss, A. H., Moore, K. A., Michael, Y. L., **Tabb, L. P.**, Echeverria, S. E., Roux, A. V. D. (2017). Cross-sectional and longitudinal associations of neighbourhood social environment and smoking behaviour: the multiethnic study of atherosclerosis. *J Epidemiol Community Health*, 71(4), 396-403.
17. Widman, S. A., LeVasseur, M. T.** , **Tabb, L. P.**, Taylor, J. A. (2017). The Benefits of Data Linkage for Firefighter Injury Surveillance, *Injury Prevention*, injuryprev-2016.
18. **Tabb, L. P.**, Ballester, L.** , Grubestic, T. H. (2016). The spatio-temporal relationship between alcohol outlets and violence before and after privatization: A natural experiment, Seattle, WA 2010-2013. *Spatial and Spatio-temporal Epidemiology*, 19, 115-124.
19. **Tabb, L. P.**, Tchetgen, E. J. T., Wellenius, G. A., Coull, B. A. (2016). Marginalized Zero-Altered Models for Longitudinal Count Data. *Statistics in Biosciences*, 8(2), 181-203.

20. Wallace, A.E.** , Lee, B.K., Selvam, N., **Tabb, L. P.**, Yudell, M., Turchi, R. and Newschaffer, C.J. (2016). Estimation of Gestational Age at Birth Using Claims-Based Algorithms in a Commercially Insured US Population. *Pharmacoepidemiology and Drug Safety*, 25, 299-300.
21. Prodromo, J., Patel, N., Kumar, N., Denehy, K., **Tabb, L. P.**, Tom, J. (2016). Pitch Characteristics Before Ulnar Collateral Ligament Reconstruction in Major League Pitchers Compared With Age-Matched Controls. *Orthopedic Journal of Sports Medicine*, 4(6), 2325967116653946.
22. Goldstein, N. D.** , Burstyn, I., Newbern, E. C., **Tabb, L. P.**, Gutowski, J., Welles, S. L. (2016). Bayesian Correction of Misclassification of Pertussis in Vaccine Effectiveness Studies: How Much Does Underreporting Matter?. *American Journal of Epidemiology*, kwv273.
23. Rosso, A. L.** , **Tabb, L. P.**, Grubestic, T. H., Taylor, J. A., Michael, Y. L. (2014). Neighborhood Social Capital and Achieved Mobility of Older Adults. *Journal of Aging and Health*, 26(8), 1301-1319.
24. Mhatre, S. D., Michelson, S. J., Gomes, J., **Tabb, L. P.**, Saunders, A. J., Marendia, D. R. (2014). Development and characterization of an aged onset model of Alzheimer's disease in *Drosophila melanogaster*. *Experimental Neurology*, 261, 772-781.
25. Bowleg, L., Neilands, T. B., **Tabb, L.P.**, Burkholder, G. J., Malebranche, D. J., Tschann, J. M. (2014). Neighborhood context and Black heterosexual men's sexual HIV risk behaviors. *AIDS and Behavior*, 18(11), 2207-2218.
26. **Tabb, L. P.**, Zhao, W.** , Huang, J., Rosen, G. L. (2014). Characterizing the Empirical Distribution of Prokaryotic Genome n-mers in the Presence of Nullomers. *Journal of Computational Biology*, 21(10), 732-740.
27. Kumar, N. S., Chin, M., O'Neill, C., Jakoi, A. M., **Tabb, L.**, Wolf, M. (2014). On-field performance of National Football League players after return from concussion. *The American Journal of Sports Medicine*, 0363546514539449.
28. Jain, A., Spencer, D., Yang, W., Kelly, J. P., Newschaffer, C. J., Johnson, J., Marshall, J., Azocar, F., **Tabb, L. P.**, Dennen, T. (2014). Injuries among children with autism spectrum disorder. *Academic Pediatrics*. 14(4) : 390-397.
29. Khalsa, A. S., Toossi, N., **Tabb, L.P.**, Amin, N. H., Donohue, K. W., Cerynik, D. L. (2014). Distal tibia fractures: locked or non-locked plating? A systematic review of outcomes. *Acta Orthopaedica*, 85(3), 299-304.
30. Amin, N. H., Old, A. B., **Tabb, L.P.**, Garg, R., Toossi, N., Cerynik, D. L. (2013). Performance outcomes after repair of complete Achilles tendon ruptures in National Basketball Association players. *The American Journal of Sports Medicine*, 41(8), 1864-1868.

31. Grubestic, T. H., Pridemore, W. A., Williams, D. A.** , **Philip-Tabb, L.** (2013). Alcohol outlet density and violence: the role of risky retailers and alcohol-related expenditures. *Alcohol and Alcoholism*, 48(5), 613-619.
32. Rosso, A. L.** , Taylor, J. A., **Tabb, L.P.**, Michael, Y. L. (2013). Mobility, disability, and social engagement in older adults. *Journal of Aging and Health*, 25(4), 617-637.
33. Rosso, A. L.** , Grubestic, T. H., Auchincloss, A. H., **Tabb, L.P.**, Michael, Y. L. (2013). Neighborhood amenities and mobility in older adults. *American Journal of Epidemiology*, 178(5), 761-769.
34. Ambroggio, L.** , Taylor, J. A., **Tabb, L.P.**, Newschaffer, C. J., Evans, A. A., Shah, S. S. (2012). Comparative effectiveness of empiric β -lactam monotherapy and β -lactam-macrolide combination therapy in children hospitalized with community-acquired pneumonia. *The Journal of Pediatrics*, 161(6), 1097-1103.
35. Grubestic, T. H., Murray, A. T., Pridemore, W. A., **Tabb, L.P.**, Liu, Y., Wei, R. (2012). Alcohol beverage control, privatization and the geographic distribution of alcohol outlets. *BMC Public Health*, 12(1), 1015.
36. Ambroggio, L.** , **Tabb, L.P.**, O'Meara, T., Sheffler-Collins, S., McGowan, K. L., Shah, S. S. (2012). Influence of antibiotic susceptibility patterns on empiric antibiotic prescribing for children hospitalized with community-acquired pneumonia. *The Pediatric Infectious Disease Journal*, 31(4), 331-336.
37. Chakraborty R, Vepuri V, Mhatre SD, Paddock BE, Miller S, Michelson SJ, Delvadia R, Desai A, Vinojur M, Melicharek DJ, Utreja S, Khandelwal P, Ansaloni S, Goldstein LE, Moir RD, Lee JC, **Tabb, L.P.**, Saunders AJ, and Marena DR (2011). Characterization of a Drosophila Alzheimer's disease model: pharmacological rescue of cognitive defects. *PloS One*, 6(6), e20799.
38. **Philip, L.P.** (2010). *Multilevel models for zero-inflated count data in environmental health and health disparities research*. Harvard University.

BOOK CHAPTERS

Klassen, A. C., Curriero, F., **Tabb, L. P.**, Carroll-Scott, A. (2014). *Spatial Analysis of Communities. Methods for Community Public Health Research: Integrated and Engaged Approaches*, 19.

BOOK REVIEWS

Tabb, L. P. (2019). Bayesian regression modeling with INLA. Xiaofeng Wang, Yu R. Yue and Julian J. Faraway. Boca Raton: CRC Press. *Biometrics*, 75(3), 1042-1044.

REPORTS

Baker, R., Beishline, R., Hanula, N., Hickok, M., Johnson, J., Kindt, G., Lanke-
nau, S., Massey, P., Reitz, G., Reynolds, L., Stuffick, A., **Tabb, L. P.**, Wallace,,
T. (2018). *The changing landscape of marijuana in Pennsylvania: examining
access, use, and perceptions.*

Baker, R., Beishline, R., Carroll-Scott, A., Hanula, N., Hickok, M., Johnson,
J., Kindt, G., Lanke-
nau, S., Massey, P., Reynolds, L., Stuffick, A., **Tabb, L.
P.**, Wallace,, T. (2017). *Alcohol access and use among youth in Pennsylvania
prior to Act 39.*

INVITED PRESENTATIONS / INTERVIEWS

“What Does It Mean To Talk About Racism as a Public Health Crisis?”, The
Franklin Institute, Philadelphia, PA (2020).

“Using Technology to Advance Your Research: Who You Are, What You Do,
and Where You Live Matters”, Robert Wood Johnson Foundation, New Con-
nections Symposium, New Orleans, LA (2019).

“Space + (Time) + Health: A Population Health Approach to Understand-
ing the Impact of Health Factors and Demographics on Overall Health in the
US”, Icahn School of Medicine at Mount Sinai, New York, NY (2018).

“There is a (time) and place for everything, including health: An assessment
of the spatial heterogeneity in the overall health across the United States us-
ing spatial regression methods”, Harvard T.H. Chan School of Public Health,
Boston, MA (2018).

“Biostatistics: Bio-What?!” , The College of Physicians of Philadelphia, Philadel-
phia, PA (2018).

“Public health ways in reconsidering alcohol outlets: the built environment as a
potential driver of crime”, Drexel University, Pennoni Honors College, Philadel-
phia, PA (2017).

“STEM is Everywhere”, School District of Philadelphia, Philadelphia, PA (2017).

“The spatio-temporal relationship between alcohol outlets and violence, before
and after privatization: a natural experiment, Seattle, WA 2010-2013”, Center
for Clinical Epidemiology & Biostatistics, University of Pennsylvania, Philadel-
phia, PA (2015).

“Examining the spatio-temporal relationship between alcohol outlets and aggra-
vated assaults in Seattle, WA 2010-2012”, Drexel University, School of Public
Health, Mini-Symposium: Spatial analysis of alcohol outlets and health-related
behaviors, Philadelphia, PA (2013).

“Examining the spatial distribution of alcohol outlets before and after privati-

zation in Seattle, WA 2010-2012”, Poster Presenter, The Robert Wood Johnson Foundation Annual Symposium, Princeton, NJ (2013).

“Examining Alcohol-Related Violence in Urban Environments Through a Public Health Lense”, Poster Presenter, Drexel University Convocation, Philadelphia, PA (2012).

“JSM Diversity Workshop, Careers in Statistics,” JSM, San Diego, CA (2012).

“Fostering Diversity in Biostatistics” Workshop, ENAR Spring Meetings, Miami, FL (2011).

“How to be Successful in STEM Fields as a Woman”, Panelist, Drexel Graduate Women in Science & Engineering, Philadelphia, PA (2011).

“Changing the Face of the Scientific Enterprise - Broadening Participation”, Keynote Speaker, The Greater Philadelphia Region Louise Stokes Alliance for Minority Participation Networking and Mentoring Conference, Philadelphia, PA (2010).

“Fostering Diversity in Biostatistics” Workshop, Graduate Student Panelist, ENAR Spring Meetings, Arlington, VA and Tampa, FL, respectively (2006 and 2008).

“Making Connections”, Statfest, Indianapolis, IN (2007).

SELECTED
CONTRIBUTED
PRESENTATIONS

“Spatial Analysis of County-Level Diabetes Prevalence: Project CHANGE: Creating a Healthier Mississippi One Community at a Time”, Presenter, International Biometric Conference, Victoria, BC (2016).

“Examining the spatio-temporal trend between alcohol outlets and violence using Integrated Nested Laplace Approximations”, Presenter, ENAR Spring Meetings, Washington, DC (2014).

“Examining the spatio-temporal distribution of alcohol outlets before and after privatization, Seattle, WA 2010-2012”, Poster Presenter, Spatial Statistics Conference (Elsevier), Columbus, OH (2013).

TEACHING
EXPERIENCE

Department of Epidemiology and Biostatistics, Drexel University
Philadelphia, Pennsylvania

Instructor

Advanced Statistical Computing: Spring 2010, '11, '12, '13, '16, '20

Survival Data Analysis: Fall 2010, '11, '12, '13, '15, '16; Winter 2015

Biostatistics: Winter 2017, '18, '19

Bayesian Data Analysis: Winter 2014, Spring 2015, '16, '17

Quantitative Methods in Health Disparities Research: Summer 2012, '13,
Winter 2014

Guest Lecturer

Epidemics in Public Health and Literature: Fall 2017, '18

Critical Reasoning: Fall 2016

Epidemiology Ph.D. Seminar II: Winter 2011

Health Disparities: Spring 2010, '11

Department of Biostatistics, Harvard University

Boston, Massachusetts

Teaching Assistant

Principles in Biostatistics I and II: Summer 2007-2008

Analysis of Rates and Proportions: Spring 2008

Principles in Biostatistics: Fall 2006

Department of Biostatistics, Kitasato University

Tokyo, Japan

Visiting Teaching Assistant

Statistical Issues in Drug Development: Fall 2007

Katherine Gibbs School

Norristown, Pennsylvania

Instructor

College Mathematics: Winter, Spring 2005

Department of Mathematics, Drexel University

Philadelphia, Pennsylvania

Instructor

Calculus II: Summer 2004

Teaching Assistant

Introduction to Analysis I and II: Fall, Winter, Spring 2003-2005

OTHER
TEACHING
EXPERIENCE

Thesis Committees

Yang Xu, Ph.D.(c) Drexel University, Dornsife School of Public Health. Dissertation: TBD. 2020 - present. (Advisor)

Guangzi Song, Ph.D.(c) Drexel University, Dornsife School of Public Health. Dissertation: TBD. 2019 - present. (Co-Advisor)

Ruby Bayliss, Ph.D.(c) Drexel University, Dornsife School of Public Health. Dissertation: TBD. 2018 - present. (Advisor)

David Keller , Ph.D. Drexel University, College of Arts and Sciences. Dissertation: Predictors of Fish Occurrence and Scale Dependence in Wadeable Streams. 2020. (Committee Member)

Cinthya Alberto , Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Health Care Access and Receipt of Family Centered Care Among Latino Youth: The Roles Of Maternal Characteristics and State Immigrant Policies. 2020. (Committee Member)

Megan Reed, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Addressing Overdose Risk among Recently Incarcerated People Living with HIV/AIDS. 2020. (Committee Member)

Jacquelynn Y. Orr , Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Inpatient Tertiary-Care Utilization: A Mixed-Methods Study of Chronic Disease Comorbidities from 2010 to 2015. 2019. (Committee Member)

Kim Daniels, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Associations Between Built and Social Neighborhood Environment Exposures on Child Obesity/BMI Percentile. 2019. (Committee Member)

Li Xie, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Family Neurologic and Psychiatric History and the Risk of Autism Spectrum Disorder. 2019. (Committee Member)

Steve Woloszynek, MD(c)/Ph.D. Drexel University, Electrical and Computer Engineering. Dissertation: Extracting Meaningful Features from Noisy Microbiome Data. 2018. (Committee Member)

Anna Wallace, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Assisted Conception and Risk of Autism Spectrum Disorder in a Large Commercially Insured Population in the United States. 2017. (Committee Member)

Neal Goldstein, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: On Individual and Community-Level Determinants of Pertussis and Flu Incidence and Vaccination. 2015. (Committee Member)

Bo Park, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Fetal Testosterone and Early Autism Spectrum Disorder Related Neurodevelopment Outcomes. 2015. (Committee Member)

Kristen Johnson, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Epidemiology of HIV-1 and hepatitis virus co-infection: distribution and pathogenesis in an urban clinic population. 2012. (Committee Member)

Andi Rosso, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Mobility in Older Adults: Relation to Social and Physical Environment. 2012. (Committee Member)

Lilliam Ambroggio, Ph.D. Drexel University, Dornsife School of Public Health. Dissertation: Antibiotic Susceptibility Patterns Influence on Empiric Antibiotic Prescribing for Children Hospitalized with Community Acquired Pneumonia. 2011. (Committee Member)

Advisees

Tianyu Sun, M.S. Drexel University, School of Public Health.

Thesis: Potential Benefits of Forest Cover: Mitigation of Heat-Related Mortality in Pennsylvania. 2020.

Kerri-Anne Ciesielka, MPH. Drexel University, School of Public Health.

Integrated Learning Experience: A Comparison of Physical Activity Levels Between Collegiate and Master Athletes Utilizing Accelerometers. 2020.

Guangzi Song, M.S. Drexel University, School of Public Health.

Thesis: Neighborhood Racial Disparities in Presence of Dental Facilities in Southeastern Pennsylvania from 2000 to 2014. 2019.

Joshua Banks, M.S. Drexel University, School of Public Health.

Thesis: Quantifying Heart Health Metrics in the United Kingdom Biobank. 2018.

Velton W. Showell IV, MPH. Drexel University, School of Public Health.

Community-Based Master's Project: Assessing the Impact of an IBD EPIC Smart Form on Compliance with Recommended IBD Best Practice. 2018.

Janel Leydon-Noe, MPH. Drexel University, School of Public Health.

Community-Based Master's Project: Creating a Classification Tree to Predict Gestational Hypertension Based on Factors Identifiable in the First and Second Trimesters. 2018.

Carina Gerveshi, M.S. Drexel University, School of Public Health.

Thesis: Shared Genetic Architecture across Neurodevelopmental and Pediatric Psychiatric Disorders. 2017.

Leon Villavicencio, MPH. Drexel University, School of Public Health.

Community-Based Master's Project: Risk Factors for Motor Vehicle Accident Injuries within the Philadelphia Fire Department. 2017.

Siyu Li, MPH. Drexel University, School of Public Health.

Community-Based Master's Project: A Longitudinal Study of Adult Post-Traumatic Stress Disorder (PTSD) in Relationship with Direct and Indirect Community Exposure to Violence (CEV) and Immediate Intervention. 2017.

Molly Mahoney, MPH. Drexel University, School of Public Health.

Community-Based Master's Project: Examining the Effects of Temperature and Drug Policy Enforcement Activity on Violence-Related Emergency Department Visits in Philadelphia. 2017.

Maryanne Miller, M.S. Drexel University, School of Public Health.

Thesis: Using Twitter to Explore HPV Vaccine Stance Patterns Across the United States. 2016.

Whitney York, M.S. Drexel University, School of Public Health.
Thesis: Developing Predictive Models for Low APGAR and Chorioamnionitis. 2016.

Lance Ballester, M.S. Drexel University, School of Public Health.
Thesis: Initiative 1183: Does Privatization Affect the Relationship Between Alcohol Outlets and Violence? 2015.

Nobhule Mporu, M.S. Drexel University, School of Public Health.
Thesis: Devising a Bayesian Criteria for Monitoring Safety in Clinical Trials: Application to Osteoporosis Study. 2015.

Jessica Dow, M.S. Drexel University, School of Public Health.
Thesis: Effect of Age of Initial Licensure on Crash Risk for New Jersey Novice Drivers. 2015.

Therese Sammarco, M.S. Drexel University, School of Public Health.
Thesis: Counting Process Cox PH Model: A Novel Method for Analyzing Thrombosis-Free Access Survival in Hemodialysis Patients. 2015.

Lyudmila Kravets, M.S. Drexel University, School of Public Health.
Thesis: Preoperative Delays for Breast Cancer Patients in the National Cancer Database. 2015.

Dominique Williams, M.S. West Chester University and Drexel University, School of Public Health.
Thesis: Examining the Spatial Distribution of Alcohol Outlets in Philadelphia. 2012.

Mengdan Liu, M.S. Drexel University, School of Public Health.
Thesis: A Negative Binomial Regression Model for Potential Prediction of Vasocclusive Crises in Childhood Sickle Cell Disease. 2011.

Jessica Posey, MPH. Drexel University, School of Public Health.
Community-Based Master's Project: Needs Assessment for zip codes or counties in Delaware in Examining the Correlation between Air Quality and Asthma Incidence. 2011.

Alison Toback, MPH. Drexel University, School of Public Health.
Community-Based Master's Project: Chemotherapy Toxicity Monitoring in Children with Acute Lymphoblastic Leukemia and Acute Myeloid Leukemia. 2011.

GRANTS &
AWARDS

Role: Principle Investigator/Co-Principle Investigator (PI/Co-PI)

National Heart, Lung, and Blood Institute

PI September 2017 - August 2022
Assessing the spatial heterogeneity in cardiovascular risk factors within and between blacks and whites, \$689,010.39 (75% effort).
K01 HL133515-01A1

Robert Wood Johnson Foundation - New Connections

PI April 2013 - March 2015
Examining the Spatial and Spatio-Temporal Relationship of Alcohol Outlets and Violence in Urban Settings Before and After Privatization, \$99,988.

Drexel University Career Development Award

PI June 2011 - May 2012
Mentoring Biostatisticians While Developing New Methods for Functional Neuroimaging, \$7,500.

Drexel University GRID

Co-PI January 2011 - December 2011
Improving the Epidemiology of Alcohol-Related Violence and Morbidity in the City of Philadelphia Using Geospatial Analysis (GRID: Grants for Research Impact at Drexel, a synergy grant), \$57,047 (10% effort).
Co-PI: Grubestic

Role: Co-Investigator (Co-I)

National Heart, Lung, and Blood Institute

Co-I February 2017 - January 2022
Characterizing health impacts of built environment features using complex data, \$584,452 (8% effort).
PI: Sanchez; HL131610-01A1

Annie E. Casey Foundation

Co-I March 2014 - January 2019
Expanding the Evidence of Healing Hurt People, \$250,659 (10% effort).
PI: Corbin; 213.0044

Sidney Kimmel Cancer Center

Co-I June 2016 - May 2017
Building Multi-Level Models to Investigate Factors Related to Prostate Cancer Mortality, \$15,540 (4% effort).
PI: Keith

National Institute of Mental Health

Co-I September 2012 - August 2014
Social-Structural Stressors, Resilience, and Black Men's Sexual Risk Behaviors, \$3,515,862 (10% effort).
PI: Bowleg; R01 HD074451-01

National Science Foundation

Co-I April 2012 - March 2014
Collaborative Research: Spatial Cluster Detection Based on Contiguity, \$179,543
(10% effort).
PI: Grubestic; SES-1154316

National Institute on Minority Health and Health Disparities
Co-I/Teaching Faculty September 2011 - August 2016
Opening the Doors for Diverse Populations to Health Disparities Research,
\$1,615,125 (3% effort).
PI: Bowleg; R25 MD006792-01

National Science Foundation
Co-I September 2011 - August 2014
Improving the Analysis of Microbial Mixtures through Sparse Reconstruction
and Statistical Inference, \$666,322 (6% effort).
PI: Foucart; MS-1120622

National Institute of Aging
Co-I July 2010 - January 2012
Neighborhood Design and Obesity in Older Women, \$443,392 (20% effort).
PI: Michael; R01 AG028254

National Institute of Mental Health
Co-I September 2010 - August 2012
Study of Health Outcomes in Children with Autism and Their Families, \$4,197,414
(5% effort).
PI: Deneen; HHS-N-271-2010-00033-C

National Institute of Child Health & Human Development
Co-I July 2010 - March 2012
Development and Validation of an Autism Case Confirmation Approach for Use
in the National Children's Study, \$1,119,650 (3.75% effort).
PI: Newschaffer and Caufield; HHS-N-267-2007-00048-C

**Faculty Research Development Grant, Department of Epidemiology
and Biostatistics, Drexel University**
Co-I August 2010 - July 2011
Philadelphia Neighborhoods, Maternal Obesity, and Birth Outcomes in a Hospital-
Based Population, \$5,000.
PI: N. Lee

HONORS &
ACHIEVEMENTS

**Ten-Day Seminar on the Epidemiology and Prevention of Cardiovas-
cular Disease and Stroke** (Fellow)
American Heart Association 2018

Programs to Increase Diversity Among Individuals Engaged in Car-

Cardiovascular Health-Related Research (Awardee) <i>NIH/NHLBI</i>	2016 - 2017
Golden Apple Teaching Award (Awardee) <i>Drexel University, Dornsife School of Public Health</i>	2016
International Travel Award (Awardee) <i>Drexel University, Dornsife School of Public Health</i>	2016
Al Herr Teaching Assistant Award (Awardee) <i>Drexel University, College of Arts and Sciences</i>	2005
Frank H. M. Williams Prize in Mathematics (Awardee) <i>Drexel University, College of Arts and Sciences</i>	2003

SERVICE

Professional

- 2019 NIH/NIMHD Study Section, Reviewer
- 2020,'21 ENAR Fostering Diversity in Biostatistics Workshop, Co-Chair
- 2018,'19 ENAR Fostering Diversity in Biostatistics Workshop, Planning Committee
- 2016-2018 ENAR Student Paper Award, Reviewer
- 2016 NIH Biostatistical Methods and Research Design Study Section, Ad-hoc Reviewer
- Reviewer for *AJPH*: 2018 to present
- Reviewer for *Health and Place*: 2017 to present
- Reviewer for *Statistics in Medicine*: 2016 to present
- Reviewer for *APHA*: 2016 to present
- Reviewer for *International Journal of Environmental Research and Public Health*: 2015 to present
- Reviewer for *Journal of Urban Health* : 2014 to present
- Reviewer for *Spatial and Spatio-Temporal Epidemiology*: 2013 to present
- Reviewer for *Ethnicity and Health*: 2013 to present
- Reviewer for *Statistical Modeling*: 2010 to present
- 2009 ENAR Program Committee, Student Assistant

Department of Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University

- Diversity and Inclusion Committee: 2019 to present
- Ph.D. Biostatistics Program Committee: 2017 to present
- MS Biostatistics Admissions Committee: 2009 to present
- Co-chair Faculty Search Committee (Dept. of Epidemiology and Biostatistics): 2015-2016, 2016-2017, 2017-2018
- Faculty Search Committee Member (Dept. of Environmental Health): 2015
- Faculty Senate Alternate: 2012-2017
- Department Representative, Executive Council of the Faculty: 2015-2017
- School of Public Health's Dean's Advisory Council: 2012
- Contributor, MPH New Student Newsletter: 2010

- Faculty Liaison, BS/MS Program, Department of Mathematics: 2009-2014

Department of Biostatistics, Harvard University

- Graduate Student Recruiter: 2007
- Student Diversity Committee: 2006 - 2009

TECHNICAL
SKILLS

Statistical Packages: R, SAS, WinBUGS/OpenBUGS

Applications: \TeX (\LaTeX), ArcGIS, common Windows database, spreadsheet and presentation software

Algorithms: Programming knowledge of Markov Chain Monte Carlo simulations of Bayesian methods

Operating Systems: Microsoft Windows family, Apple OS X

PROFESSIONAL
MEMBERSHIPS

American Statistical Association
International Biometric Society/Eastern North Atlantic
American Heart Association
American Public Health Association