

EDUCATION

Year	Degree	Field	Institution
2018	DrPH	Biostatistics	Columbia University
2012	MS	Biostatistics	Columbia University
2007	MPH	Health Policy & Management	Columbia University
2004	BA	Economics	Rutgers, The State University of New Jersey

RESEARCH EXPERIENCE

2022-	Assistant Professor, Edward J. Bloustein School of Planning and Public Policy, Rutgers, The State University of New Jersey.
2018-	Research Scientist, Division of Social Solutions and Services Research, Nathan Kline Institute for Psychiatric Research, Research Foundation for Mental Hygiene.
2014-2018	Data Analyst, Mailman School of Public Health, Columbia University.
2012-2014	National Institutes for Health (NIH) Trainee and Graduate Research Assistant, Initiative for Maximizing Student Development (advisor: Dr. Qixuan Chen), Department of Biostatistics, Mailman School of Public Health, Columbia University.
2011-2012	Research Coordinator, Division of Community Health, Section of Social and Behavioral Sciences, College of Dental Medicine, Columbia University.
2005-2010	Research Assistant, Division of Community Health, Section of Social and Behavioral Sciences, College of Dental Medicine, Columbia University.
2004-2005	Research Project Assistant, Center for State Health Policy, Institute for Health, Health Care Policy and Aging Research, Rutgers, The State University of New Jersey.
2003-2004	National Institutes for Mental Health (NIMH) Fellow, Institute for Health, Health Care Policy and Aging Research, Rutgers, The State University of New Jersey.

PUBLICATIONS**Refereed Journal Articles**

2022 (J16)	Pahl K., Williams S.Z. , Capasso A., Fuller Lewis C., Lekas H-M. A longitudinal pathway from ethnic-racial discrimination to sexual risk behaviors among Black women and Latinas: Ethnic-racial identity exploration as a protective factor. Social Science and Medicine.
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- 2022 (J15) Tofighi B., Martino D., Lekas H-M., **Williams S.Z.**, Blau C., Lewis C.F. (2022). Scaling opioid overdose prevention and naloxone dispensation among rural and small metro area pharmacists: findings from a qualitative study. *Journal of Substance Abuse*. doi: 10.1080/14659891.2022.2070877.
- 2022 (J14) Nemani K., **Williams S.Z.**, Olfson M., Leckman-Westin E., Finnerty M., Kammer J., Smith T., Silverman D., Lindenmayer J-P., Capichioni G., Clelland J., Goff D. Association Between the Use of Psychotropic Medications and the Risk of COVID-19 Infection Among Long-term Inpatients with Serious Mental Illness in a New York State-wide Psychiatric Hospital System. *JAMA Network Open*. 2022;5(5): e2210743. doi:10.1001/jamanetworkopen.2022.10743
- 2022 (J13) Wang S., Will B.F., **Williams S.Z.**, Glied S., Muennig P.A. The impact of airplane noise on mental and physical health. A quasi-experimental analysis. *Accepted, BMJ Open*.
- 2022 (J12) Lewis C., **Williams S.Z.**, Tofighi B., Lekas H-M., Joseph A., Amesty S.C. Internet use and uptake of a web-based prevention and risk reduction intervention for persons who use drugs in New York City – WebHealth4Us study (2013–2016), *Substance Abuse*, 43:1, 1119-1126, DOI: 10.1080/08897077.2022.2028701
- 2021 (J11) Smiley J.F., Bleiwas C., Canals-Baker S., **Williams S.Z.**, Sears R., Teixeira C.M., Wilson D.A., Saito M. (2021). Neonatal ethanol causes profound reduction of cholinergic cell number in the basal forebrain of adult animals. *Alcohol* 97: 1-11. <https://doi.org/10.1016/j.alcohol.2021.08.005>.
- 2021 (J10) Tofighi B., Lekas H-M, **Williams S.Z.**, Martino D., Blau C.*, Lewis C. (2021). Rural and small metro area naloxone-dispensing pharmacist attitudes, experiences, and support for a frontline public health pharmacy role to increase naloxone uptake in New York State, 2019. *Journal of Substance Abuse Treatment*. <https://doi.org/10.1016/j.jsat.2021.108372>.
- 2020 (J9) Zafari Z., Keyes K.M., Jiao B.*, **Williams S.Z.**, Muennig P.A. (2020). Differences between blacks and whites in well-being, beliefs, emotional states, behaviors, and survival, 1978-2014. *PLoS ONE* 15(9): e0238919.
- 2020 (J8) Fuller Lewis C., Lekas H-M, Rivera A., Crawford N.D., **Williams S.Z.**, Pérez-Figueroa R.E., Joseph A., Amesty S. (2020). Pharmacy-based PEP access intervention among persons who use drugs in New York City: iPEPcare study lessons for biomedical HIV prevention uptake. *AIDS and Behavior*. <https://doi.org/10.1007/s10461-019-02775-3>.
- 2019 (J7) Pahl K., **Williams S.Z.**, Lee J.Y., Joseph A.M., Blau C. (2019). Trajectories of Violent Victimization Predicting PTSD and Comorbidities among Urban Ethnic/Racial

Minorities. *Journal of Consulting and Clinical Psychology*; 88(1): 39-47. doi: 10.1037/ccp0000449.

- 2019 (J6) Jiao B.*, Zafari Z., Ruggeri K., **Williams S.Z.** (2019). Depressive symptoms and sexually transmitted disease: evidence from a low-income neighborhood of New York City. *Community Mental Health Journal*; 55(7): 1147-1151.
- 2018 (J5) Chen Q., **Williams S.Z.***, Liu, Y.*, Chihuri S.T., Li G. (2018). Multiple imputation of missing marijuana data in the Fatality Analysis Reporting System using a Bayesian multilevel model. *Accident Analysis & Prevention*; 120: 262-269.
- 2018 (J4) Jin H., **Williams S.Z.***, Chihuri S.T., Li G., Chen Q. (2018). Validity of oral fluid test for delta-9-tetrahydrocannabinol in drivers using the 2013 National Roadside Survey data. *Injury Epidemiology*; 5(1): 3.
- 2017 (J3) **Williams S.Z.**, Chung G.S.*, Muennig P.A. (2017). Undiagnosed depression: a community diagnosis. *SSM – Population Health*; 3: 633-638.
- 2013 (J2) Albert D., **Barracks S.Z.****, Bruzelius E.*, Ward A. (2013). Impact of a web-based intervention on maternal caries transmission and prevention knowledge, and oral health attitudes. *Maternal and Child Health Journal*; DOI 10.1007/s10995-013-1421-8.
- 2011 (J1) Albert D.A., Begg M.D., Andrews H.F., **Williams S.Z.**, Ward A., Conicella M.L., Rauh V., Thomson J.L., Papapanou P.N. (2011). An examination of periodontal treatment, dental care, and pregnancy outcomes in an insured population. *American Journal of Public Health*; 101(1): 151-156.

Reports

- 2021 (R6) **Williams S.Z.**, Lekas H-M, Martino D., Tate S., Alemayehu B., Lewis C. (2021). A Pilot Implementation of High-Fidelity Wraparound in New York State Residential Treatment Facilities: A Process Evaluation. Final Report to New York State Office of Mental Health Systems of Care. Center for Research on Cultural and Structural Equity in Behavioral Health, Nathan Kline Institute for Psychiatric Research, Orangeburg, NY.
- 2016 (R5) **Williams S.**, Austin E., Rosen Z., Chen Q., Siegel E., Hernandez D., Muennig P. (2016). Washington Heights: A Community Diagnosis. Final Report to NewYork-Presbyterian. Global Research Analytics for Population Health, Mailman School of Public Health, Columbia University, New York, NY.

- 2010 (R4) Albert D.A., Ward A., **Williams S.Z.**, Weisz G., MacArthur R.B. (2010). The Prevention of Infective Endocarditis. Monograph for the Dental Clinician. Aetna Dental, Pittsburgh, PA.
- 2009 (R3) Albert D.A., Ward A., Kularatne P., **Williams S.** (2009). Oral Health Literacy: A Dental Practice Priority. Monograph for the Dental Clinician. Aetna Dental, Pittsburgh, PA.
- 2005 (R2) Gaboda D., Chase S., **Williams S.**, Schneider C. (2005). NJ FamilyCare Express Enrollment: Report on the Pilot Program. Rutgers Center for State Health Policy, Rutgers University, New Brunswick, NJ.
- 2004 (R1) Gaboda D., Schneider C., Nova J., **Williams S.** (2004). Technical Report on HEDIS Data Analysis, 2004. Part II Comprehensive Report. Rutgers Center for State Health Policy, Rutgers University, New Brunswick, NJ.

Manuscripts Under Review

- (UR4) Tofighi B., Lewis C., Martino D., **Williams S.Z.**, Blau C., Lekas H-M. Pharmacist attitudes and experiences associated with Naloxone dispensation in 6 rural/small metro area counties in New York State. The Journal of Rural Health.
- (UR3) **Williams S.Z.**, Pahl K., Muennig P., Martino D., Lewis C. "Self-reported anxiety and depression problems and suicide ideation among Black and Latinx adults and the moderating role of social support." Journal of Community Health.
- (UR2) Pahl K., Wang J., Sanichar N., **Williams S.Z.**, Nick G., Wang L., McQuiston H., Lekas H-M. "Xenophobic attitudes in the context of the COVID-19 pandemic: an exploratory study." Journal of Racial and Ethnic Disparities.
- (UR1) Nick G., **Williams S.Z.**, Lekas H-M., Kamin D., Blau C., Lewis C. "Crisis Intervention Team (CIT) Training: Preliminary evidence of impact on mental illness and substance use-related stigma among law enforcement in NYS (2019)." Drug and Alcohol Dependence.

Working Papers

- (WP3) **Williams S.Z.**, Lui Y., Si Y., Galea S., Chen Q. "A Bayesian approach to improve survey inference using administrative records while maintaining confidentiality."
- (WP2) **Williams S.Z.**, Sanichar N., Monnat S.M., Bergen-Cico D.K. Lewis C. "Examination of racial-ethnic and geographic variations in opioid overdose trends in sociodemographically diverse counties in New York state."

- (WP1) **Williams S.Z.**, Pahl K., Capasso A., Nick G. Lewis C. "Lonely in a crowd: feelings of loneliness and psychological distress during the COVID-19 pandemic."

Work in Progress

- (WIP3) **Williams S.Z.**, Chen Q., Lewis C., Pahl K. "A novel application of Bayesian changepoint analysis to identify and describe important longitudinal changes in ethnic-racial discrimination experiences and perceptions across the lifespan."
- (WIP2) Pahl K., **Williams S.Z.** "Difference s in longitudinal changes in ethnic-racial discrimination experiences by early life socioeconomic disadvantage."
- (WIP1) **Williams S.Z.**, Pahl K., Carolina K., Granger D. "Quantifying and evaluating an innovative AL index measure."

HONORS AND AWARDS

- 2015 Outstanding Student Abstract, The National Center for Health Statistics, Centers for Disease Control, National Conference on Health Statistics, Bethesda, MD.
- 2015 Student Travel Award, Survey Research Methods Section, American Statistical Association, Joint Statistical Meeting, Seattle, WA.

GRANT AND RESEARCH FUNDING

- 2021 (4) Colliculopulvinar contributions to alpha dysregulation and cognitive dysfunction in schizophrenia.
NIH MH123875; \$204,875
Martinez A. (PI); **Williams S.Z.** (Co-I)
- 2020 (3) Enhancing the applicability of an evidence-based intervention to reduce social anxiety and improve educational outcomes in Black American students in urban public high schools.
IES R305A200013; \$1,399,978
Masia C. (PI); **Williams S.Z.** (Co-I)
- 2020 (2) Feasibility of a pharmacy-based overdose prevention program in rural/suburban NY.
NIH R21 DA049166; \$426,672
Lewis C. (PI); **Williams S.Z.** (Co-I)
- 2019 (1) Longitudinal Effects of Socioeconomic Disadvantage and Racial Discrimination on Health Among African Americans and Puerto Ricans.
NIH R01 MD12248-03S1; \$240,031

Pahl K. (PI); **Williams S.Z.** (Junior Faculty Award)

INVITED TALKS

- 2021 (4) **Williams S.Z.**, Liu Y., Chen Q. "A Bayesian approach to improve survey inference using administrative records while maintaining confidentiality" (September 2021). International Chinese Statistical Association.
- 2020 (3) **Williams S.Z.** "Quantifying disparities: statistical applications for mental health surveys" (July 2021). Research Grand Rounds, Department of Psychiatry, NYU Langone Health.
- 2019 (2) **Williams S.Z.**, Fuller-Lewis C., Chen Q., Muennig P. "Examining the association between suicide ideation and acculturation among Hispanics." (September 2019). New York State Suicide Prevention Conference, Albany, New York.
- 2018 (1) Lewis C.F., Lekas H-M., Pérez-Figueroa R.E., **Williams S.Z.** "Disparities in Suicide Outcomes, the Role of Social Determinants, and the Need of Prevention Strategies" (September 2018). New York State Suicide Prevention Conference, Albany, New York [Panel].

CONFERENCE ACTIVITY

Refereed Abstracts

- 2022 (28) Sanichar N., Williams S.Z., Lekas H-M., Monnat S.M., Bergen-Cico D.K., Fuller-Lewis C. Examination of sociodemographic trends in opioid overdose emergency department visits in diverse counties in New York State, 2010-2019. The College on Problems of Drug Dependence, Annual Meeting, Minneapolis, Minnesota, June [Poster Presentation]
- 2022 (27) Williams S.Z., Martino D., Tate S., Lekas H-M., Fuller-Lewis C. A pilot implementation of high-fidelity wraparound in New York state residential treatment facilities. NYS Office of Mental Health Systems of Care Summit, Albany, New York, June [Poster Presentation]
- 2021 (26) Pahl K., Wang L, **Williams S.Z.**, Nick G., McQuiston H., and Lekas M-L. "Xenophobic attitudes in the context of the COVID-19 pandemic: An exploratory study." American Public Health Association Meeting and Exposition, Denver, Colorado, October [Oral Presentation].
- 2021 (25) Pahl K., **Williams S.Z.**, Capasso A*, Joseph A., Lewis C., and Lekas H-M. "Racial discrimination, sexual risk behaviors, and ethnic-racial identity in African American women and Latinas: A longitudinal study." American Public Health Association Meeting and Exposition, Denver, Colorado, October [Oral Presentation].

- 2021 (24) Pahl K., **Williams S.Z.**, Capasso A*., Nick G., Lekas H-M., and Lewis C. "Loneliness and psychological distress during the COVID-19 pandemic." American Public Health Association Meeting and Exposition, October [Poster Presentation].
- 2020 (23) Pahl K., **Williams S.Z.**, Lewis C., Capasso A*., and Pharr N.* "Intersecting experiences of socioeconomic disadvantage and racial discrimination over time: Relationships with self-reported health." American Public Health Association Meeting and Exposition, October [Oral Presentation].
- 2020 (22) Nick G., **Williams S.Z.**, Lekas H-M., Kamin D., Blau C., and Fuller Lewis C. "Crisis Intervention Team (CIT) Training: Preliminary evidence of impact on mental illness-related and substance use-related stigma among law enforcement in NYS (2018-2020)." American Public Health Association Meeting and Exposition, October [Poster Presentation].
- 2019 (21) **Williams S.Z.**, Lekas H-M, Joseph A., Monnat S., Bergen-Cico D., Lewis C. "Examination of racial-ethnic and geographic variations in opioid overdose trends in sociodemographically diverse counties in New York State." American Public Health Association Meeting and Exposition, Philadelphia, Pennsylvania, November [Oral Presentation].
- 2019 (20) Lewis C., **Williams S.Z.**, Lekas H-M, Joseph A., Monnat S., Bergen-Cico D. "Racial-ethnic and geographic variation in opioid overdose trends among adolescent and young adults presenting to emergency departments in sociodemographically diverse counties in New York State." American Public Health Association Meeting and Exposition, Philadelphia, Pennsylvania, November [Poster Presentation].
- 2019 (19) Pérez-Figueroa R.E., **Williams S.Z.**, Lekas H-M., Pahl K., Lewis C. "Trends in suicide emergency department visits in New York State (2010-2015): Social and mental health associations." American Public Health Association Meeting and Exposition, Philadelphia, Pennsylvania, November [Poster Presentation].
- 2019 (18) **Williams S.Z.**, Lewis C., Chen Q., Muennig P. "Examining the association between suicide ideation, nativity, and acculturation among Hispanics." American Public Health Association Meeting and Exposition, Philadelphia, Pennsylvania, November [Poster Presentation].
- 2019 (17) Pahl, K., Lee, J.Y., **Williams. S.Z.**, Brook, J. "Trajectories of perceived racial discrimination and multiple sex partners among African-American and Puerto Rican women." Society for Research in Child Development, Baltimore, Maryland, March [Poster Presentation].
- 2015 (16) **Barracks S.Z.****, Chen Q, Galea S. "Estimating the prevalence of psychiatric disorders among National Guard Service members using a Bayesian post-

- stratification model.” Joint Statistical Meetings, Seattle, Washington, August [Oral Presentation].
- 2012 (15) Albert D.A., Muzaffar A., **Williams S.Z.**, Kapur P., Marshall S. “Dental caries experience in a Northern Manhattan Head Start population.” National Oral Health Conference. Milwaukee, Wisconsin, April [Poster Presentation].
- 2012 (14) “PASS: A population-based approach to patient service and professional success.” Edelstein B.L., Chinn C., Levine J., **Williams S.Z.**, Albert D.A., Ahluwalia K.P. (April 2012). National Oral Health Conference. Milwaukee, Wisconsin [Poster Presentation].
- 2012 (13) Edelstein B.L., Chinn C., Smith S., Brockway C., Levine J., **Williams S.Z.**, Albert D.A. “The Columbia University Student Community Partnership (SCP): promoting sustainable student involvement with populations across the lifespan.” National Oral Health Conference. Milwaukee, Wisconsin, April [Poster Presentation].
- 2011 (12) Edelstein, B.L., Chinn C., Levine J., **Williams S.Z.**, Albert D.A., Ahluwalia K.P. “Engaging dentists with health and social service professionals to improve children’s oral health and dental care.” Collaborating Across Borders III. Tucson, Arizona, November [Poster Presentation].
- 2011 (11) Albert D.A., Begg M.D., Andrews H.F., **Williams S.Z.**, Ward A., Conicella M.L., Rauh V., Thomson J.L., Papapanou P.N. “Periodontal treatment and pregnancy outcomes: preliminary assessment of racial disparities.” American Association for Dental Research. Washington, D.C, November [Poster Presentation].
- 2011 (10) Albert, D.A., Gordon, J.S., **Williams, S.Z.**, Ward, A., Smalletz, C. “Tobacco cessation for dental students: usability testing of an interactive course.” Society for Research on Nicotine and Tobacco 17th Annual Meeting. Toronto, Canada, February [Poster Presentation].
- 2010 (9) **Williams S.Z.**, Albert D.A., Ward A., Conicella M.L. “Employing the Internet for consumer education on the oral health of infants and toddlers.” American Public Health Association Meeting and Exposition. Denver, Colorado, November [Poster Presentation].
- 2010 (8) “Oral health literacy: a dental practice priority.” Albert D.A., **Williams S.Z.**, Kularatne, P.M., Conicella M.L. Ward A. (November 2010). American Public Health Association Meeting and Exposition. Denver, Colorado [Poster Presentation].
- 2010 (7) Robinson S.T., Albert D.A., Gordon J.S., **Williams S.Z.** “Current status of tobacco cessation education in United States dental schools.” National Oral Health Conference, St. Louis, Missouri, April [Poster Presentation].

- 2009 (6) Albert D.A., Gordon J.S., Robinson S.T., **Williams S.Z.** "Tobacco cessation education in U.S. dental school curriculum." Society for Research on Nicotine and Tobacco 15th Annual Meeting. Dublin, Ireland, April [Poster Presentation].
- 2008 (5) Albert D.A., Begg M.D., Andrews H.F., Papapanou P.N., Ward A., **Williams S.**, Conicella M.L., Thompson J.L., Rauh V. "Periodontal treatment and the risk for adverse birth outcomes." International Association for Dental Research. Toronto, Canada, June [Poster Presentation].
- 2008 (4) Albert D.A., **Williams S.Z.** "Tobacco cessation activities by dental students: disseminating USPHS guidelines." National Oral Health Conference. Miami, Florida, April [Poster Presentation].
- 2008 (3) Albert D.A., Patel V.L., Ward A, **Williams S.Z.** "Evaluation of consumer use of the internet for seeking health care information among smokers and non-smokers." Society for Research on Nicotine and Tobacco 14th Annual Meeting. Portland, Oregon, February [Poster Presentation].
- 2007 (2) Albert D.A., Patel V., Ward A., **Williams S.Z.**, McGrew L., Conicella M. "Evaluation of consumer use of an oral health web-site." National Oral Health Conference. Denver, Colorado, April [Poster Presentation].
- 2007 (1) Albert D.A., **Williams S.Z.** "Tobacco cessation activities by dental students: A survey of third-year dental students' knowledge, attitudes, and behaviors." Society for Research on Nicotine and Tobacco 13th Annual Meeting. Austin, Texas, February [Poster Presentation].

Other conference activities

- 2022 Abstract Reviewer, Epidemiology and Applied Public Health Statistics program, Annual Meeting, American Public Health Association
Career Panel Member, Fostering Diversity Workshop, Annual Meeting, Eastern North American Region, International Biometric Society
- 2019, 2020 Abstract Reviewer, Applied Public Health Statistics program, Annual Meeting, American Public Health Association
- 2014 Session Chair, Estimation Issues, Joint Statistical Meetings, American Statistical Association

TEACHING EXPERIENCE

Applied Regression II, Combined doctoral and masters level course
Department of Biostatistics, Mailman School of Public Health, Columbia University
Spring 2022 Enrollment: 35

Fall 2021 enrollment: 47 (online)
Spring 2021 enrollment: 47 (online)
Spring 2020 enrollment: 42

Categorical Data Analysis, Combined doctoral and masters level course
Department of Biostatistics, Mailman School of Public Health, Columbia University

Summer 2022 enrollment: 14 (online)
Summer 2021 enrollment: 17 (online)
Summer 2020 enrollment: 19 (online)
Summer 2019 enrollment: 10
Fall 2017 enrollment: 30
Summer 2017 enrollment: 29

Introduction to Biostatistics, Undergraduate level course
BEST Diversity Program, Mailman School of Public Health, Columbia University
Summer 2012

Research Methods, Undergraduate level course
Project L/Earn, Rutgers, The State University of New Jersey
Summer 2013
Summer 2011

Other Teaching Experience

Lead Teaching Assistant, Post-doctoral level course
Department of Biostatistics, Mailman School of Public Health, Columbia University
Introduction to Biostatistics, Columbia Summer Research Institute 2014, 2015, 2016
Introduction to Epidemiology, Columbia Summer Research Institute 2014, 2015, 2016

Teaching Assistant, Masters level course
Department of Biostatistics, Mailman School of Public Health, Columbia University
Applied Regression II, Spring 2015, 2016, 2017, 2018
Quantitative Foundations, Evidence, and Policy, Fall 2013
Generalized Linear Models, Fall 2012
Introduction to Biostatistics, Fall 2010, 2011

Teaching Assistant, Undergraduate level course
Project L/Earn, Rutgers, The State University of New Jersey
Research Methods, Project L/Earn 2004, 2005

SERVICE**Scientific Review**

- 2022- Board Member, US Department of Veterans Affairs, Office of Rehabilitation Research and Development, Behavioral Health and Reintegration Panel (RRD4)
- 2020-2021 Ad-hoc member, US Department of Veterans Affairs, Office of Rehabilitation Research and Development, Behavioral Health and Reintegration Panel (RRD4)

Editorial Positions

- 2021 - Reviewer, BMC Public Health
- 2021 - Reviewer, Demography
- 2021 - Reviewer, Journal of Pharmacy Practice

Student Mentorship

- 2021 Kevin Carolina, Research Intern. Professional Practice Internship, Undergraduate in Public Health, Edward J. Bloustein School of Planning and Public Policy, Rutgers, The State University of New Jersey.
- 2020 -2022 DeVante Cunningham, Doctoral Defense Committee. Clinical Psychology, Psychology Department, Montclair State University, New Jersey.

Other Mentorship Roles

- 2022 Careers in Biostatistics Panel, ENAR Fostering Diversity Workshop,
- 2021 Desiree Picazo, Diversity Mentoring Program. American Statistical Association.

Institutional Service

- 2020 - Anti-Racism Meeting Group, Nathan Kline Institute for Psychiatric Research
- 2020 - Mentoring Meeting Group, Nathan Kline Institute for Psychiatric Research
- 2019 - Community Building Committee, Nathan Kline Institute for Psychiatric Research

PROFESSIONAL DEVELOPMENT**Organization Membership**

- 2019-2020 Society for Research in Child Development
- 2017-2018 Eastern North American Region of the International Biometric Society
- 2014-2016 American Statistical Association
- 2009, 2013 Academy Health

Training Courses

- 2019 *Longitudinal Data Analysis with Latent Variable Models Workshop* instructed by Richard N. Jones, Latent Variable Models Workshop, Brown University, July 31-August 2, 2019
- 2016 *A "How To" Course on AAPOR Response Rate Calculations and Practical Examples from the Field* webinar with David Dutwin. American Association for Public Opinion Research, October 4, 2016
- 2016 *Bayesian Inference for Surveys* short course instructed by Roderick Little and Trivellore E. Raghunathan, Joint Program in Survey Methodology, College Park Marriott Hotel and Conference Center, September 12-13, 2016

*denotes a student collaborator

**also published under Sharifa Z. Barracks