

Emma K. T. Benn, DrPH, MPH
Icahn School of Medicine at Mount Sinai, New York, NY

APPOINTMENTS/EMPLOYMENT

2004-2005 Analytical Chemist, McNeil Consumer and Specialty Pharmaceuticals, Fort Washington, PA

2006 Research Assistant, Office of Patient Support Services, New York-Presbyterian Medical Center, New York, NY

2006-2007 Research Assistant, Department of Medicine-Pulmonary, Allergy & Critical Care, Columbia University, New York, NY

2007 Teaching Assistant, Department of Biostatistics, Mailman School of Public Health

2007-2011 Staff Associate, Gertrude H. Sergievsky Center, Columbia University College of Physicians and Surgeons, New York, NY

2008 Statistical Consultant, Istituto Ricerche Farmacologiche Mario Negri Milano and Clinica Neurologica, Università di Milano-Bicocca, Monza, Italy

2008-2009 Co-founder, co-coordinator and lecturer, Biostatistics Enrichment Summer Training (BEST) Diversity Program, Department of Biostatistics, Columbia University Mailman School of Public Health, New York, NY

2009-2011 Lecturer and co-coordinator, NIH/NHLBI-funded Biostatistics Enrichment Summer Training (BEST) Diversity Program, Department of Biostatistics, Columbia University Mailman School of Public Health, New York, NY

2009-2011 Staff Associate, Traumatic Brain Injury Clinical Trial Network, Department of Biostatistics, Columbia University Mailman School of Public Health, New York, NY

2011-2012 Senior Biostatistician, Department of Health Evidence and Policy, Mt. Sinai School of Medicine, New York, NY

2012-2019 Assistant Professor, Department of Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York, NY

2019- Associate Professor, Department of Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York, NY

2020- Director of Data Science Training and Enrichment

2020- Founding Director, Center for Scientific Diversity

EDUCATION

2004 – B.A. in Chemistry (Spanish Minor) – Swarthmore College, Swarthmore, PA, USA

2007 – M.P.H. in Sociomedical Sciences – Columbia University, New York, NY, USA

2012 – Dr.P.H. in Biostatistics – Columbia University, New York, NY, USA

HONORS/AWARDS

2000-2004 McCabe Scholar, Swarthmore College, Swarthmore, PA

2005-2007 Community Scholar, Mailman School of Public Health, New York, NY

2009 John and Kathleen Gorman Public Health Humanitarian Award, Mailman School of Public Health, New York, NY

2008-2012 Donald H. Gemson Fellowship, Mailman School of Public Health, New York, NY

2011-2012 National Science Foundation (NSF) Doctoral Dissertation Improvement Grant Recipient

2013-2015	National Institutes of Health Extramural Loan Repayment Program for Health Disparities Research Recipient
2014	Women in Statistics Conference Junior Researcher Travel Award Recipient
2014	Joint Statistical Meetings Diversity Mentor Program Travel Award Recipient
2015	ENAR Junior Biostatisticians in Health Research Workshop Fellow
2015	Elected Member, Beta Omicron Chapter of Delta Omega Society

OTHER PROFESSIONAL ROLES

2005-2011	Health Committee Chair, Main Line Branch NAACP
2007-2008	Junior Member, American Thoracic Society
2009-2011	Junior Member, American Epilepsy Society
2009-present	Member, American Statistical Association
2010-present	Reviewer, American Journal of Epidemiology
2012-present	Reviewer, Journal of Health Care for the Poor and Underserved
2012-present	Member, Center for Health Equity and Community Engaged Research, Icahn School of Medicine at Mount Sinai, New York, NY
2013-2014	Early Career Member, American Heart Association/American Stroke Association
2013-2014	Early Career Member, American Public Health Association
2014-2015	Academic Coordinator for the Center for Biostatistics, Icahn School of Medicine at Mount Sinai, New York, NY
2014-2015	Early Career Reviewer, Center for Scientific Review, National Institutes of Health
2014-2016	Statistical Consultant for the Mount Sinai Summer Institute for NeuroAIDS Disparities (MSINAD), Icahn School of Medicine at Mount Sinai, New York, NY
2014-present	Reviewer, Child Development
2014-present	Reviewer, American Journal of Public Health
2014-present	Member, Eastern North American Region (ENAR), International Biometric Society
2015-2019	Member, Association of Clinical and Translational Science (ACTS) Biostatistics, Epidemiology, and Research Design (BERD) Special Interest Group

RESEARCH PROFILE

Given the highly collaborative nature of the field of biostatistics, my research portfolio is quite broad. Thus, while I have applied my statistical expertise to address a vast array of biomedical and public health challenges, I have a particular affinity towards improving the health and wellbeing of marginalized populations.

In the early stages of my career, I collaborated extensively with renowned epileptologists to shed light on the burden of epilepsy in the predominately Dominican and socioeconomically underserved population of Northern Manhattan. This was one of the first population-based studies of epilepsy focusing primarily on a U.S.-based, urban Latino population. This seminal research led me to contribute to other fruitful collaborations in the area of neurological conditions across the life course both nationally and internationally. Another crucial area of research in my early career focused on racial/ethnic disparities in lung transplantation for COPD patients. This research consisted of a comprehensive analysis of the UNOS database. Similar to disparities observed in kidney and liver transplantation, our findings revealed lower rates of lung transplantation and higher risk of death or removal from the waiting list among Black patients compared to Whites.

A fundamental question that I often think about, especially at this stage of my career, is how to increase the methodological rigor with which we approach health disparities research. While my Masters-level training in the sociostructural determinants of health has uniquely positioned me to be a biostatistician who can clearly articulate the complex, multilevel contributors to health disparities, I worry that our, at times, descriptive rather than inferential

approaches used to investigate these problems may prevent us from identifying effective targets for intervention. For example, many public health researchers have alluded to an immigrant health paradox when they observe more favorable health outcomes, on average, among immigrants compared to US-born groups. However, the internal validity of findings from these types of studies may be subject to selection bias resulting in incomparable groups, as I demonstrated in my secondary analysis of the American Community Survey to investigate differences in self-reported cognitive disability between foreign-born children and children of foreign born parents in the US. With regards to studies of racial/ethnic differences, I have started to challenge the notion of causality when starting with race, especially given the strict statistical criteria (e.g., mutability) for causal inference. I have published an invited commentary on potential problems that arise when examining racial differences in cardiovascular disparities and have given numerous invited talks and introduced an advanced statistics seminar to the MS in Biostatistics curriculum in this area of discourse. I have also introduced more rigorous methodological strategies steeped in the potential outcomes framework to enhance the disparities research agenda (via NIH, DOD, and foundation grants) at the Icahn School of Medicine at Mount Sinai in prostate cancer, renal cell carcinoma, multiple sclerosis, and cardiovascular research.

In many cases, the research questions I ask are not informed by abstract, intangible problems, but arise instead from routine observations in communities of color that are often overlooked by clinical and public health investigators who exist outside of these communities. For example, I have co-led a Mount Sinai-funded pilot study consisting of a multidisciplinary team (i.e., environmental epidemiology, dermatology, biochemistry, behavioral psychology, biostatistics, etc.) of researchers examining the psychosocial motivations, exposure frequency, physical and mental health, and behavioral intentions of African and Afro-Caribbean women who bleach, or “whiten”, their skin in New York City. The prevalence of skin bleaching is increasing dramatically among non-White populations worldwide and is resulting in harmful, unregulated, exposures to corticosteroids and melanogenesis-inhibiting chemicals like hydroquinone, mercury and other metals. I, along with my co-PI, Dr. Bian Liu, have assembled a cross-national team to further explore other important aspects of skin bleaching, including global regulations of heavy metals in cosmetics products, skin bleaching-related adverse event reporting in the United States and Europe, and temporal trends and seasonality of skin bleaching-related Google search queries in the United States.

I have successfully developed a federally-funded research agenda around reducing disparities in faculty recruitment, retention, and promotion of underrepresented clinical investigators in academic medical centers through increasing the statistical competency and research capacity of underrepresented postdoctoral scholars and early stage faculty. More specifically, for the past five years, I co-directed an NIGMS-funded (R25) Applied Statistics in Biological Systems Short Course, which consisted of a hybrid distance learning statistical theory curriculum and in-person statistical computing curriculum. A primary objective of this short course was to reduce disparities in promotion by ensuring that at least half of our participants are underrepresented post-doctoral scholars and early career investigators. Over the five years, we trained over 125 early stage investigators from academic institutions nationwide, with more than 40% of participants coming from underrepresented groups. I additionally co-directed the NCATS-funded TL1 program at ISMMS, which aimed to provide clinical and translational research training to medical students (via the PORTAL program), while additionally providing underrepresented, postdoctoral trainees with unique training opportunities to enhance their translational, team science-based research capacity.

Lastly, in June 2020, I launched a new Center for Scientific Diversity (CSD) at ISMMS to foster, develop, and assess empirically-supported practices that promote and enhance scientific innovation, diversity, and equitable advancement within the biomedical investigator workforce. As the Founding Director of the CSD, I have assembled a multidisciplinary team of scientific

investigators and innovators committed to diversity and inclusion from various departments across ISMMS with expertise in biostatistics, behavioral psychology, epidemiology, neuropsychology, neuropsychology, basic science, medicine, neuroscience, antiracism, and health disparities research. The CSD is unique in that we apply a rigorous, antiracist, research-driven, evidence-based, and culturally competent approach to accomplish our goals that have implications both for our institution and for academic medical institutions nationwide. This initiative is one of the first of its kind in the nation and I am fortunate to have the unwavering commitment of my institution to ensure our success.

IMPACT

Within the Mount Sinai Health System, I have made a substantial contribution to the disparities-related research innovation, while also contributing my statistical expertise to numerous, successfully funded research collaborations across various departments with topics ranging from opioid misuse in HIV to treatment decision making in cancer to immigrant and minority health. I have also made a positive impact on the research infrastructure through my involvement with the CTSA as a TL1 co-director, especially with regards to my leadership of the institution-wide INCHOIR Learning Lab monthly research lecture series and Meet the Experts sessions. With respect to educational endeavors at ISMMS, I have gained considerable recognition for my work as an educational leader devoted to increasing the methodologic training of the graduate school and clinical investigator workforce through the development and implementation of the one-year MS in Biostatistics Program, extensive student mentorship, service to various committees, and development of new coursework and training programs in biostatistics, statistical programming, and health disparities.

In my new role as Founding Director of the Center for Scientific Diversity at ISMMS, I have already begun contributing to the development of important initiatives at our institution aimed at increasing recruitment of Black and Latinx faculty in the basic sciences and clinical and translational research. Additionally, my team is currently developing a strong research agenda around increasing biomedical research opportunities for underrepresented students in STEM, developing an antiracist research curriculum, and conducting a rigorous, individual and organizational assessment of gender equity in our institution and developing an antiracist, intersectional feminist, strategic plan to promote organizational change. I, along with other members of the CSD, also regularly share our insight as appointed members of the Mount Sinai Antiracism Task Force. These efforts will have not only benefit ISMMS but will provide the necessary evidence for changing culture and promoting research success of underrepresented investigators at academic institutions nationwide.

In my role as Director of Data Science Training and Enrichment for the Graduate School of Biomedical Sciences at ISMMS, I have introduced new coursework aimed at providing students with a team science-based, rigorous introduction to biostatistics with real-world applications to a range of topics including the analysis of genomic data from admixed populations to systems science and agent-based modeling for disease forecasting. I have also introduced strategies for increasing the inclusiveness of our quantitative training environment through the introduction of diversity and inclusion and disability services statements on all syllabi and other strategies for ensuring a supportive environment for racial/ethnic minorities, women and gender minorities, students with disabilities, first generation college students, and LGBTQ students. I have also been invited to serve as a

Nationally, I have gained strong recognition for my leadership efforts to diversify the biostatistics field and to create a more inclusive environment for minorities, women, and LGBTQ biostatisticians and data scientists. I am the co-founder of Columbia University's NHLBI-funded BEST Diversity Program, aimed at increasing underrepresented undergraduates' exposure to biostatistics and its application to cardiovascular research. Over more than 10 years of this program's existence, at least 110 students from across the US have been trained, of which

three-quarters have gone on to pursue graduate degrees. I have also served as co-Chair of the Eastern North American Region (ENAR) of the International Biometric Society Fostering Diversity in Biostatistics Workshop for underrepresented students, postdocs, and academic, industry, and government professionals, in addition to serving as a mentor for the American Statistical Association (ASA) Committee on Minorities in Statistics Joint Statistical Meetings Diversity Mentoring Program. I have been featured by the American Statistical Association and Mathematically Gifted and Black for my successful efforts at increasing diversity in the field of biostatistics and have also been invited to serve as a research leader for the prestigious African Diaspora Joint Mathematics Workshop in 2021. I have shared my informed perspective on “Power and privilege: reshaping the opportunity structure for equitable leadership in statistics and data science” in an upcoming book, entitled Leadership, Diversity, and Statistics. In this transformative book, edited by Dr. Amanda Golbeck, I, along with more than 30 well-respected thought leaders in my field aim to radically shift the demographic landscape and distribution of power in statistics and data science in order to create a more inclusive, antiracist, and equitable culture. My increased visibility in this area as well as my strong reputation as a thought leader in my field have also resulted in my appointment to the American Statistical Association Task Force on Sexual Harassment and Assault, the ENAR Regional Advisory Board, and the ENAR Regional Committee.

GRANTS, CONTRACTS, AND FOUNDATION SUPPORT

Active Support

1R25HG011021-01 (Benn, E/Özbek, U)

05/01/20-02/28/25

NIH/NHGRI

Clinical research education in genome science (CREiGS) Short Course

The proposed Clinical Research Education in Genome Science (CREiGS) program will not only focus on the analysis of genomic data, but also on gene-expression data, as well as introductory theory and application of statistical and machine learning methods. More specifically, the hybrid 11-wk online and 3-day in-person course will be targeted to doctoral students, postdoctoral scholars, and faculty from academic institutions nationwide. Topic areas include: 1) Introduction to Genetics and Genomics Research, 2) Quantitative Methods for the Analysis of Genetics and Genomics Data, 3) Computational Tools and Data Management, and 4) Engaging Diverse Communities in Genetics and Genomics Research. The 3-day in-person curriculum will consist of extensive networking opportunities for participants, special topic lectures (e.g., Rigor and Reproducibility in Genomics Research), and a full-day interactive, hands-on computing exercise in R that will cover the analysis and integration of genomic and transcriptomic data.

Role: MPI

1R21CA235153-01 (Liu, B)

09/20/19-08/31/21

NIH/NCI

Exploration of dynamic spatiotemporal exposure profiles via patient residential and healthcare utilization history

The places people reside throughout their lives play an important role in their health and in their propensity to develop diseases such as cancer. We will develop a large multi-dimensional database for cancer patients using multiple data sources to reconstruct their longitudinal residential and exposure histories, and to identify potential patient exposure profiles using data mining techniques guided by scientific evidence from the cancer epidemiology and environmental health literature. The life-course perspective approach developed from this exploratory project can be scaled up and adopted for other cancers, and has wide applications in cancer research and cancer registry surveillance.

Role: Co-Investigator

1R01DK122853-01A1 (Robinson-Papp, J)
NIDDK

02/11/20-01/31/25

Effects of vagal dysfunction on gastrointestinal and inflammatory pathways in HIV

Chronic HIV infection produces pathologic inflammation which drives disease progression and contributes to the development of serious co-morbid medical conditions, even in the setting of effective combination antiretroviral therapy (CART); translocation of bacterial products across the gastrointestinal (GI) mucosa is a major antigenic stimulus for this process. Our research focuses on how vagal dysfunction (VD), which occurs commonly as part of HIV-associated neuropathy, affects GI and immune function in HIV. This research will explore pathways linking vagal dysfunction to inflammation in HIV, focusing on the gastrointestinal tract, and study whether a medication called pyridostigmine and stimulation of the vagus nerve are beneficial therapies.

Role: Co-Investigator

OH010984-01A1 (Taioli/Riggins)
NIOSH/NIH

09/01/16-08/21/20

Thyroid cancer risk in WTC responders

This project will investigate whether excess thyroid cancer incidence among WTCHP participants reflects a real increase in risk or is due to over-diagnosis from medical surveillance.

Role: Co-Investigator

R18HS025641 (Robinson-Papp J)
AHRQ

09/01/17-08/31/20

Toward safer opioid prescribing for chronic pain in high risk populations: implementing the Centers for Disease Control (CDC) Guideline in the primary care HIV clinic

Chronic pain is common in HIV and often treated with prescription opioids, but these medications can be abused. This project will engage patients and their healthcare providers in a collaborative process to develop a method of prescribing opioids more safely, based on recommendations recently made by the Centers for Disease Control (CDC). This method will then undergo preliminary testing, the results of which will be used to plan future larger-scale studies to prove whether the method improves patient safety.

Role: Co-Investigator

Pending Support

PI: Kyprianou, N
Prostate Cancer Foundation

11/1/20-10/31/22

Lethal Prostate Cancer Disparities: NO Way!

The proposed research aims to elucidate the molecular and environmental contribution of nitric oxide (NO) to prostate tumors to aid in understanding racial disparities in lethal disease and generate effective strategies for extending the lives of prostate cancer patients in minority populations.

Role: Co-Investigator

PI: Diaz A
NIH/NCI

09/11/20-09/10/21

Investigating HPV vaccine hesitancy from the perspective of young people in New York City

The proposed research will investigate barriers and facilitators of HPV vaccine uptake and completion among a diverse, urban adolescent population in NYC.

Role: Co-Investigator

PI: Bagot, K
NIH/NIDA

09/01/20-08/31/25

upRISE (Use Prevention & Recovery Intervention Services & Education)

We propose UPRISE (Use Prevention & Recovery Intervention Services & Education), an integrated, multidimensional program of screening, assessment, treatment planning and delivery, and continuing care for adolescents with substance use disorders embedded in two New York City public schools for high-risk youth. This leverages the opportunity to provide training for school-based clinicians and embed specialty services within a system in which underrepresented youth are most likely to access SUD treatment.

Role: Co-Investigator

PI: Mohamed, N (Subcontract)
NIH/NCI

09/01/20-08/31/25

Hampton University Center for Cancer and Health Disparities Research Excellence

ISMMS will partner with Hampton University (HU) in support of the accompanying NIH U54 to enhance the research infrastructure and build research capacity at HU for cancer and health disparities research.

Role: Co-Investigator (Subcontract)

PI: Polak P
NCI/NIH

07/01/20-06/30/25

The impact of African admixed ancestry on the etiology of triple negative breast cancer in Brazilian women

Triple negative breast cancer (TNBC) is one of the cancer types with the highest level of racial disparities. Brazilian population is one of the most admixed populations in the world where color is not a good indicator of genomic ancestry. We will study the impact of African/European/Amerindian ancestry in Brazilian TNBC patients on the prevalence of germline mutations, somatic mutations, the expression subtypes of TNBC, mechanisms underlying homologous recombination deficiency and immunogenicity of tumors.

Role: Co-Investigator

PI: Clark, U
NIH/NIAAA

09/01/20-08/31/25

Effects of stereotype threat on impulsivity and its relation to alcohol use in African Americans: an fMRI study

This study will provide valuable information about the effects of stereotype threat on brain functions and the relation of these stress-related effects to alcohol misuse. We will thus obtain a novel understanding of the neurobehavioral mechanisms associated with alcohol misuse in adults. This research will build the necessary groundwork for future studies that aim to reduce and prevent alcohol misuse.

Role: Co-Investigator

PI: Mohamed, N/Tewari, A/Bickell N
NIH/NIEHS

11/01/20-10/31/25

Alliances to control exposure to toxicities in our neighborhood: the Central Harlem Prostate Cancer Study (ACTION-Prostate Cancer)

In collaboration with community partners including the West Harlem Environmental ACTion, Inc. (WE ACT), The Prostate Net, Inc, and the Cancer Care Accelerator, and community churches, mosques we will examine whether exposure to PAH, based on Central Harlem's long history of

exposure, contributes to prostate cancer epidemic in the area, and provide strategies and action plans to reduce exposure

Role: Co-Investigator

PI: Mohamed N
NINR/NIH (R21)

07/21/20-06/30/22

The personal patient profile decision support for patients with bladder cancer

The proposed intervention, the Personal Patient Profile – Bladder Cancer (P3-BC), will be the first intervention to aid bladder cancer patients make well informed decisions about their treatment, communicate with their physicians, and prepare for disease self-management and follow-up care. Results of this pilot randomized feasibility and acceptability study will guide further refinement of the tool for a larger experimental trial, with potential dissemination via the internet and hand-held computing devices.

Role: Co-Investigator

PI: Mohamed N/Jandorf L
NIMHD/NIH (R21)

04/01/20-03/31/22

A multi-level approach to improving shared decision making about smoking cessation with African American prostate cancer patients

For the proposed application, we propose to refine and finalize a web-based decisional aid aimed at smoking cessation for African American patients with prostate cancer. Additionally we will evaluate the acceptability, feasibility, and utility of the decisional aid.

Role: Co-Investigator

Past Support

R25 GM111239 (Bagiella E/Benn E)
NIGMS/NIH

04/01/15-03/31/20

The Applied Statistics in Biological Systems (ASIBS) Short Course

The overall goal of the proposed ASIBS Short Course is to provide formal applied statistical training to faculty and fellows actively involved in research at US academic medical institutions. The ASIBS Short Course will provide participants with a much-needed foundation in applied statistical tools to answer important questions related to biological, social, and behavioral research and increase the productivity of current and future leaders in academic medical environments.

Role: Multiple-Principal Investigator

W81XWH-17-1-0590 (Mohamed N)
Dept. of Army

03/01/17-02/29/20

Racial, Cultural, and Dyadic Relationships Factors Influencing Treatment Decisions about Active Surveillance for Localized Prostate Cancer

The proposed study has the potential to significantly impact clinical practice and research in treatment decision making by identifying racial, cultural, and dyadic factors that influence patients' and partner' decisions and adherence to AS protocol. Information gained from this study will inform the design of culture-sensitive dyadic treatment decision tool and communication training for PCa clinicians to enhance triadic (patient-partner-provider) clinical consultations.

Role: Co- Investigator

R21NR016518-01A1 (Mohamed N)

04/01/17-03/31/20

NINR/NIH

Novel Approach to Enhance Ostomy Care in Patients with Bladder and Colorectal Cancer

In this study, we will pilot test the feasibility of a multimedia intervention to enhance self-care in bladder and colorectal cancer survivors who have an ostomy, address their informational needs, and improve their psychosocial adjustment, quality of life, and satisfaction with care and communication with their providers. Study results will guide further refinement of the ostomy-education program for a larger experimental trial.

Role: Co-Investigator

5UL1TR001433-02 (Wright)

08/15/15-03/31/20

NIH/NCATS

Conduits: MSHS Translational Science Hub

Conduits mission is to advance human health by transforming this hub into a translational research laboratory, partnering with our diverse patient population, other stakeholders, institutional clinicians and scientists, and investigators at other CTSA Network Hubs to ensure high quality research, research education, and development of unique, innovative resources to catalyze translation of biomedical discoveries across the “lifespan.”

Role: Co-Investigator

TL1TR001434 (Gabrilove, J)

08/15/15 – 03/31/20

NIH/NCATS

Conduits: MSHS Translational Science Hub

The overarching goal of the proposed TL1 training program for Conduits, the Institute for Clinical and Translational Sciences at ISMMS, is to develop innovative educational experiences in clinical and translational science thereby fostering the recruitment, training, mentorship and retention of talented individuals from diverse backgrounds who are inspired to engage in team science to improve the well-being of individuals and society.

Role: Co-Director

P30ES023515 (Benn E/Liu B)

10/01/16-09/30/18

Mount Sinai Transdisciplinary Center on Health Effects of Early Environmental Exposures

Psychosocial Motivations, Behavioral Patterns, and Health Effects of Metal, Hydroquinone, and Steroid Exposure Associated with Skin Bleaching among African and Afro-Caribbean women in New York City

In this pilot study we will recruit up to 100 African and Afro-Caribbean women in NYC who have been bleaching their skin for at least one year, with a primary objective to examine their skin bleaching-related mercury and hydroquinone exposure patterns and product use. Additionally, we will examine their psychosocial motivations, behavioral intentions, and self-reported physical and mental health.

Role: Multiple-Principal Investigator

RG-1601-07277 (Katz Sand)

08/01/16-01/31/18

National Multiple Sclerosis Society

Pilot Study of a Dietary Intervention for Multiple Sclerosis

The goal of this project is to establish the feasibility of dietary research in MS patients as well as to provide preliminary data to support future clinical trials of diet in MS. This project is a pilot randomized trial of a dietary intervention in MS patients.

Role: Co-Investigator

W81XWH-15-1-0532 (Mohamed N)

06/01/15-05/31/18

Department of the Army

Care Planning for Prostate Cancer Patients on Active Surveillance

The main objective of this study is to enhance adherence to active surveillance among men with low risk localized PC.

Role: Co-Investigator

R21 DK105917-01A1 (Robinson-Papp, J)
NIH/NIDDK

10/1/15-06/30/17

Autonomic Neuropathy, Gastrointestinal Motility, and Inflammation in HIV

The goal of the proposed study is to establish associations between vagal dysfunction, GI motility and inflammation in virally suppressed, CART- treated individuals with HIV-related autonomic neuropathy (HIV-AN).

Role: Co-Investigator

1U24MD006961-03
NINDS/NIMHD

PI: Boden-Albala, B.

9/2011-12/2013

Northern Manhattan Initiative for Minority Involvement in Clinical Trials

This study uses novel innovative methodology to identify and provide strategies for optimal enrollment of minority populations in neurological trials and studies. This includes the completion of a global recruitment toolkit for neurological researchers.

Role: Biostatistician

3P50 NS049060-07S1
NIH/NINDS

Project PI: Boden-Albala, B.

7/2004-12/2013

New York Columbia Collaborative Specialized Program of Translational Research in Acute Stroke (SPOTRIAS: Project 3- Boden-Albala {Project PI})

In the DESERVE Study, we plan to capitalize on the “teachable moment” and evaluate whether a multi-level preparedness/prevention discharge intervention in a urban, multiethnic population results in short term optimum risk reduction strategies including improved medication and physician visit adherence, decreased blood pressure, more accurate risk perception, and decreased time to arrival to ED for next event.

Role: Biostatistician

MENTEES

Graduate Level

1. **Sheri-Ann E. Cowie, PhD.** New York University Steinhardt School of Culture, Education and Human Development 2015 PhD Graduate. Dissertation Title: Gender norms, cultural adaptation, and their relation to multiple sexual partnerships among first-generation Jamaican immigrants. *Served on Dr. Cowie’s Dissertation Committee.*
2. **Justine D. Witzke, PhD, MPH.** Icahn School of Medicine at Mount Sinai Graduate School of Biomedical Sciences Clinical Research Education 2015 PhD Graduate. Dissertation Title: Impact of commercial donor sperm preparation on intrauterine insemination outcome. *Served on Dr. Witzke’s Dissertation Committee.*
3. **Chengcheng Tu.** Icahn School of Medicine at Mount Sinai 2017 MPH in Biostatistics Graduate. Practicum Research Project: Application of the Heckman Method to account for gender-based selectivity bias in cardiothoracic research. *Served as her MPH Practicum Advisor and her Capstone Mentor.*
4. **Richa Deshpande.** Icahn School of Medicine at Mount Sinai 2017 MPH in Biostatistics Graduate. Practicum Research Project Working Title: Predictors of HPV in Liberia: a unique

application of the Heckman approach. Served as Ms. Deshpande's MPH Practicum Advisor and her Capstone Mentor.

5. **Caprichia Jeffers.** Emory University PhD in Biostatistics Candidate. Served as an external mentor while she completed her dissertation.
6. **Robyn Jordan.** Icahn School of Medicine Resident. Have continued to formally serve as her mentor since she was a student in the BEST Diversity Program.
7. **Jemar Bather.** Harvard T.H. Chan School of Public Health PhD in Biostatistics Candidate. Currently serving as his JSM Diversity Mentoring Program in Biostatistics Mentor.
8. **Steven Lawrence.** Columbia University Mailman School of Public Health MS in Biostatistics Candidate. Have served as his biostatistics research project mentor from 2018-present.
9. **Sabrina Medina.** Icahn School of Medicine at Mount Sinai MS in Biostatistics Candidate. Currently serving as her faculty advisor and capstone project mentor.
10. **Kedie Pinto.** Harvard T.H. Chan School of Public Health MS in Epidemiology Candidate (starting Fall 2020). Currently serving as her post-bac research project mentor.
11. **Melanie Mayer.** Columbia University Mailman School of Public Health PhD in Biostatistics Candidate. Currently serving as her JSM Diversity Workshop and Mentoring Program mentor.

Undergraduate Level

1. **Hector Moran.** CUNY Hunter College. Undergraduate Student (Biological Sciences/Africana & Puerto Rican/Latino Studies Minor; Junior Year). Currently serving as his biostatistics research project mentor.
2. **Kedie Pinto.** CUNY Medgar Evers College. Undergraduate Student (Biology/Math Minor). Currently serving as her biostatistics research project mentor.

TEACHING ACTIVITIES

Teaching Activity/Topic	Level	Role	Indicate Level and Number of Learners Taught, and Venue	Number of hours week/month /yr	Years Taught
Social Determinants and Health Equity Journal Club	Departmental Level	Co-founder and Leader	Faculty (15) Staff (22)	1 hour/month	2012 - 2016
2013 Biostatistics Summer Program for Clinical Research	Institutional Level	Course Co-Director	Faculty (22)	40 hours over 3 weeks	Summer 2013
Introduction to Advanced Biostatistics	Graduate School	Course Director	Graduate Students (26)	3 hours/week (3 credits)	Fall 2013
2014 Biostatistics Summer Program for Clinical Research	Institutional Level	Course Co-Director	Faculty (34)	42 hours over 3 weeks	Summer 2014

Introduction to Advanced Biostatistics	Graduate School	Professor	Graduate Students (42)	3 hours/week (3 credits)	Fall 2014
2015 Biostatistics Summer Program for Clinical Research	Institutional Level	Course Co-Director	Faculty (40)	42 hours over 3 weeks	Summer 2015
Analysis of Categorical Data	Graduate School	Course Director	MS in Biostatistics and MPH in Biostatistics students (9)	3 hours/week (3 credits)	Spring I 2016
2016 Biostatistics Summer Program for Clinical Research	Institutional Level	Course Co-Director	Faculty (40)	40 hours over 1 week	Summer 2016
Introduction to R Programming	Graduate School	Course Director	Graduate Students (34)	1.5 hours/week (1 credit)	Fall 2016
Analysis of Categorical Data	Graduate School	Course Director	Graduate Students (11)	3 hours/week (3 credits)	Spring I 2017
Rigor and Reproducibility	Graduate School	Guest Lecturer	Graduate Students (56)	1-hour lecture	Spring II 2017
2017 Biostatistics Summer Program for Clinical Research	Institutional Level	Course Co-Director	Faculty (30)	40 hours over 1 week	Summer 2017
Biostatistics for Biomedical Research	Graduate School	Course Co-Director	Graduate Students (117)	3 hours/week (3 credits)	Fall 2017
Introduction to R Programming	Graduate School	Course Director	Graduate Students (50)	1.5 hours/week (1 credit)	Fall 2017
Race and Causal Inference Seminar	Graduate School	Course Director	Graduate Students (4)	2 hours/week (1 credit)	Spring 2018
Introduction to Sociobehavioral Science	Graduate School	Guest Lecturer	Graduate (MPH) Students (65)	1.5-hour lecture	Fall 2018
Race and Causal Inference Seminar	Graduate School	Course Director	Graduate Students (9)	2 hours/week for 9 weeks (1 credit)	Spring 2019
NIH/NHLBI Summer Institute on Randomized Behavioral Clinical Trials	National level	Week 2 Faculty Instructor and Workgroup Leader	Junior and mid-level faculty and postdoctoral fellows (40)	~40 hours over 6 days	Summer 2019
Race and Causal Inference Seminar	Graduate School	Course Director	Graduate Students (8)	2.5 hours/week for 10 weeks (2 credits)	Spring 2020

ADMINISTRATIVE LEADERSHIP APPOINTMENTS

INTERNAL

Educational Leadership:

2014-2017	Co-Director/Director of the Master of Public Health in Biostatistics Track: In this capacity I developed new, rigorous mathematical competency-related prerequisites for the track, provided advising to all MPH in Biostatistics Track (and some MPH in Epidemiology Track) students, mentored several students on my own research projects, made significant quality improvements to the curriculum, and worked to increase research and professional opportunities for the students.
2014-2017	Admissions Committee, Master of Public Health in Biostatistics Track: In this capacity I reviewed all applications for the MPH in Biostatistics Track using rigorous criteria that I developed in alignment with other biostatistics graduate-level programs and made final decisions on acceptance.
2015-2019	Co-Director of the Master of Science in Biostatistics Program: In this capacity, I have assisted with designing the program, getting NYSED approval, and implementing the program. Additionally, I have assisted with administrative oversight of the program, marketing and advertising, student and faculty advising, and curriculum development for the Theory and Clinical Applications tracks. Graduates of our program have successfully pursued careers in industry and academic medicine.
2019-present	Director of Data Science Training and Enrichment: In this capacity, I am responsible for: designing and offering a personalized advanced biostatistics course for the PhD and MSTP students; co-leading the Quantitative Training Subgroup of the Graduate School in Biomedical Sciences Curriculum Committee to establish core competencies and graduate school-wide metrics for assessment of the quantitative and computational training of students and trainees; conduct a comprehensive evaluation of the graduate programs and MTA leadership with regards to program-specific quantitative and computational training needs; explore opportunities for multidisciplinary collaboration to develop and implement federally-funded quantitative training programs for graduate students and trainees; and leverage opportunities for shared quantitative and computational training across the Medical School and Graduate School.
New Course Development:	
2013	Co-Developed the Institution-wide Biostatistics Summer Program for Clinical Research: This short course, or intensive boot camp, is geared towards postdoctoral scholars and residents, as well as junior clinical faculty from the Mount Sinai Health System aimed at increasing their statistical foundation and programming proficiency in SAS and R. Since the initiation of this course, more than 150 participants have received statistical training.
2016	Developed the BIO8200 Analysis of Categorical Data Graduate School Course (3 credits): This course is geared to students in the MPH in Biostatistics/Epidemiology Tracks, MS in Biostatistics Program, and

	Clinical Research/PORTAL students. However, PhD BS students have also enrolled in this course. Since the initiation of this course, approximately 25-30 students have enrolled in this course.
2016	Co-Developed the BIO6300 Introduction to R Programming Graduate School Course (1 credit in 2016-2019, 2 credits thereafter): This course is a graduate school-wide course aimed at increasing students' programming proficiency in R. Since the initiation of this course, approximately 85 students across all graduate programs have enrolled in the course, with many more graduate and non-matriculating students being placed on the wait-list due to space restrictions.
2017	Co-Developed the BIO6400 Biostatistics for Biomedical Research Graduate School Course (3 credits): This course was developed to provide advanced, introductory biostatistics knowledge for graduate students in both translational and basic science programs, while additionally providing complementary programming proficiency in R and SAS. Since the initiation of this course, approximately 117 students enrolled in this course.
2018	Developed the BIO9002 Race and Causal Inference Graduate School Seminar (1 credit in 2018 & 2019, 2 credits thereafter): This advanced biostatistics seminar was developed to give students an intersecting foundation in causal inference and the potential outcomes framework and racial/ethnic disparities research. This course is very much aligned with my research interests and aims to shift students' methodologic approach from solely describing disparities to identifying efficacious modes of intervention. The expected enrollment for this course is approximately 10 students maximum.
2020	Developed the BSR1026 Applied Biostatistics for Biomedical Research Graduate School Course (3 credits) : This course was developed to provide a rigorous, team science-based, introduction to biostatistics and its applications in biomedical research for Graduate School in Biomedical Sciences Master-level and PhD students with introductory to intermediate proficiency in statistical programming. In an effort to replicate the real-world research team environment, students apply their knowledge to examine real-world research questions using publicly-available, de-identified datasets. They also are exposed to advanced applications of biostatistics and data science ranging from the analysis of genomics data from diverse, admixed populations to agent-based modeling.

Center for Biostatistics/Departmental Service:

2012-2014	Associate Director of Community and Population Data, Center for Community and Academic Research Partnerships
2012-2016	Co-Founder and co-Leader, Social Determinants of Health and Health Equity Journal Club
2012-present	Appointed Member, Center for Health Equity and Community Engaged Research
2014-2015	Academic Coordinator, Center for Biostatistics
2015-2019	Director of Academic Programs, Center for Biostatistics
2019-present	Director of the Biostatistics Core, Mount Sinai Adolescent Health Center

Institutional Service:

2014-present	Appointed Member, Diversity in Biomedical Research Council
2016-present	Appointed Member, Faculty Diversity Council
2016-present	Appointed Member, Graduate School Quantitative Training Subgroup
2016-present	Appointed Member, Graduate School Curriculum Committee
2017-2018	Appointed Member, Levy Library Committee
2017-present	Appointed Member, Women's Health Research Institute
2020-present	Appointed Member, MSHS Anti-racism Task Force
2020-present	Founding Director, Center for Scientific Diversity

EXTERNAL

Professional Society Leadership/Appointments:

2016	Executive Committee Member of the Eastern North American Region of the International Biometric Society Fostering Diversity in Biostatistics Workshop which aims to: 1) increase representation of racial/ethnic minorities in biostatistics educational programs and careers, and 2) connect minority students interested in biostatistics with professional biostatisticians in academia, government and industry.
2017-2018	Co-Chair of the Eastern North American Region of the International Biometric Society Fostering Diversity in Biostatistics Workshop which aims to: 1) increase representation of racial/ethnic minorities in biostatistics educational programs and careers, and 2) connect minority students interested in biostatistics with professional biostatisticians in academia, government and industry.
2017-2018	Appointed Member to the American Statistical Association Task Force on Sexual Harassment and Assault which aims to: 1) Assess the extent of sexual harassment/Assault in the American Statistical Association community, 2) review the current best practices of professional organizations and academic institutions with respect to sexual harassment/assault, 3) consider creation of a resource that allows victims of sexual harassment and assault to anonymously receive support, and 4) make recommendations to the American Statistical Association Board of Directors regarding sexual harassment/assault policy changes for the organization.
2016-present	Mentor for the Joint Statistical Meetings Diversity Workshop and Mentoring Program which aims to provide graduate students, postdoctoral scholars, and junior professionals together with mid- to senior-level statisticians in academia, government, and industry in a structured program of one-on-one mentorship, panel discussions, and small group meetings at the Annual Joint Statistical Meetings.
2016-present	Mentor for the National Alliance for Doctoral Studies in the Mathematical Sciences which aims to: 1) increase the number of doctoral degrees in the mathematical sciences among groups that have been traditionally underrepresented in those fields, 2) to increase the number of PhDs from these groups who enter the professoriate in the mathematical sciences as well as other appropriate professions, and 3) to foster the growth of a community of mathematical scientists that promotes a diverse workforce.

2017-2019	Appointed Member of the Eastern North American Region of the International Biometric Society Regional Advisory Board which aims to generate ideas for new initiatives to benefit ENAR members and to keep current members actively engaged in the organization.
2020-2022	Appointed Member of the American Statistical Association (ASA) Investments Committee to evaluate the financial performance of the ASA.
2020-2022	Elected Member of the Eastern North American Region of the International Biometric Society Regional Committee (RECOM) to oversee the affairs of the region.

Other National Service:

2016-2018	Ad-hoc Reviewer, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Center for Scientific Review, National Institutes of Health
2017-present 2018-2022	Member, PCORI-funded Minority Women in Research Network Standing Member, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Center for Scientific Review, National Institutes of Health
2021	Research Team Leader, Mathematical Sciences Research Institute (MSRI) African Diaspora Joint Mathematics Workshop (ADJOINT)

PUBLICATIONS

Peer-Reviewed Original Contributions

1. David J. Lederer, **Emma K.T. Benn**, R. Graham Barr, Jessie S. Wilt, Genevieve Reilly, Joshua R. Sonett, Selim M. Arcasoy, Steven M. Kawut. (2008) Racial differences in waiting list outcomes in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine* 177:450-454.
2. **Emma K. T. Benn**, W. Allen Hauser, Tina Shih, Linda Leary, Emilia Bagiella, Peter Dayan, Robert Green, Howard Andrews, David J. Thurman, Dale C. Hesdorffer. (2008) Estimating incidence of first unprovoked seizure and newly diagnosed epilepsy in the low-income urban community of Northern Manhattan, New York City. *Epilepsia* 49(8): 1431-1439.
3. **Emma K. T. Benn**, W. Allen Hauser, Tina Shih, Linda Leary, Emilia Bagiella, Peter Dayan, Robert Green, Howard Andrews, David J. Thurman, Dale C. Hesdorffer. (2009) Underlying cause of death in incident unprovoked seizures in the urban community of Northern Manhattan, New York City. *Epilepsia* 50(10): 2296-2300.
4. Dale C. Hesdorffer, **Emma K. T. Benn**, Gregory D. Cascino, W. Allen Hauser. (2009) Is a first acute symptomatic seizure epilepsy? Mortality and risk for recurrent seizure. *Epilepsia* 50(5): 1102-1108.
5. G. Logroscino, B. J. Traynor, O. Hardiman, A. Chió, J. D. Mitchell, R. J. Swingler, A. Millul, **E. Benn**, E. Beghi. (2009) Incidence of amyotrophic lateral sclerosis in Europe. *Journal of Neurology, Neurosurgery & Psychiatry* 81(4): 385-390.
6. Carolyn L. Westhoff, Anupama H. Torgal, Elizabeth R. Mayeda, Frank Z. Stanczyk, Jodi P. Lerner, **Emma K. T. Benn**, Myunghye Paik. (2010) Ovarian suppression in obese and normal weight women during oral contraceptive use. *Obstetrics and Gynecology* 116(2): 275-283.

7. **Emma K. T. Benn**, Dale C. Hesdorffer, Susan R. Levy, Francine M. Testa, Francis J. DiMario, Anne T. Berg. (2010) Parental report of behavioral and cognitive diagnoses in childhood-onset epilepsy: a case-sibling controlled analysis. *Epilepsy & Behavior* 18(3): 276-279.
8. Pierro Perucca, Ann Jacoby, Antony G. Marson, Gus A. Baker, Steven Lane, **Emma K. Benn**, Frank G. Gilliam, Dale C. Hesdorffer. (2011) Adverse antiepileptic drug effects in new-onset seizures: a case-control study. *Neurology* 76(1): 23-27.
9. Dale C. Hesdorffer, Giancarlo Logroscino, **Emma K. T. Benn**, Nicole Katri, Gregory D. Cascino, W. Allen Hauser. (2011) Estimating risk for developing epilepsy: a population-based study in Rochester, Minnesota. *Neurology* 76(1): 23-27.
10. Dale C. Hesdorffer, Torbjorn Tomson, **Emma Benn**, Josemir W. Sander, Lena Nilsson, Yvonne Langan, Thaddeus S. Walczak, Ettore Beghi, Martin J. Brodie, Allen Hauser. (2011) Combined analysis of risk factors for SUDEP. *Epilepsia* 52(6): 1150-1159.
11. Dale C. Hesdorffer, **Emma K. Benn**, Emilia Bagiella, Douglas Nordli, John Pellock, Veronica Hinton, Shlomo Shinnar, FEBSTAT Study Team. (2011) Distribution of febrile seizure duration and associations with development. *Annals of Neurology* 70(1): 93-100.
12. Emily B. Leaffer, Ann Jacoby, **Emma Benn**, W. Allen Hauser, Tina Shih, Peter Dyan, Robert Green, Howard Andrews, David J. Thurman, Dale Hesdorffer. (2011) Associates of stigma in an incident epilepsy population from northern Manhattan, New York City. *Epilepsy & Behavior* 21(1): 60-64.
13. Dale C. Hesdorffer, Torbjorn Tomson, **Emma Benn**, Josemir W. Sander, Lena Nilsson, Yvonne Langan, Thaddeus S. Walczak, Ettore Beghi, Martin J. Brodie, W. Allen Hauser for the ILAE Commission on Epidemiology. (2012) Do antiepileptic drugs or generalized tonic-clonic seizure frequency increase SUDEP risk? a combined analysis. *Epilepsia* 53(2): 249-252.
14. Leon G. Epstein, Shlomo Shinnar, Dale C. Hesdorffer, Douglas R. Nordli, Aaliyah Hamidullah, **Emma K. T. Benn**, John M. Pellock, L. Matthew Frank, Darrell V. Lewis, Solomon L. Moshe, Ruth C. Shinnar, Shumei Sun, the FEBSTAT study team. (2012) Human herpesvirus 6 and 7 in febrile status epilepticus: the FEBSTAT study. *Epilepsia* 53(9): 1481-1488.
15. Tessa Hart, **Emma K. T. Benn**, Emilia Bagiella, Patricia Arenth, Sureyya Dikmen, Dale C. Hesdorffer, Thomas A. Novack, Joseph H. Ricker, Ross Zafonte. (2014) Early trajectory of psychiatric symptoms after traumatic brain injury: effects of patient and injury characteristics. *Journal of Neurotrauma* 31(7): 610-617.
16. **Emma K. T. Benn**. (2014) Nativity and cognitive disability among children: a unique comparison with reduced selection bias. *International Journal of Public Health* 59(5): 809-817.
17. **Emma K. T. Benn**, Ashley Fox, Kezhen Fei, Eric T. Roberts, Bernadette Boden-Albala. (2015) Moving towards a more comprehensive investigation of racial/ethnic differences in cognitive disability among US adults. *Journal of Immigrant and Minority Health* 17(4): 1105-1113.
18. Kezhen Fei, **Emma K. T. Benn**, Rennie Negron, Guedy Arniella, Stanley Tuhim, Carol R. Horowitz. (2016) Prevalence of depression among stroke survivors: racial ethnic differences. *Stroke* 47(2): 512-515.
19. **Emma K. T. Benn**, Keith S. Goldfeld. (2016) Translating context to causality in cardiovascular disparities research. *Health Psychology* 35(4): 403-406.
20. **Emma K. T. Benn**, Andrew Alexis, Nihal Mohamed, Yan-Hong Wang, Ikhlas Khan, Bian Liu. (2016) Skin bleaching and dermatologic health of African and Afro-Caribbean populations in the US: new directions for methodologically rigorous, multidisciplinary, and culturally sensitive research. *Dermatology and Therapy* 6(4): 453-459.

21. Susan Bodnar-Deren, **Emma K. T. Benn**, Amy Balbierz, Elizabeth A. Howell. (2017) Stigma and postpartum treatment acceptability among black and white women in the first six-months postpartum. *Maternal and Child Health Journal* 21(7): 1457-1468.
22. Felicity T. Enders, Christopher J. Lindsell, Leah J. Welty, **Emma K. T. Benn**, Susan M. Perkins, Matthew S. Mayo, Mohammad H. Rahbar, Kelley M. Kidwell, Sally W. Thurston, Heidi Spratt, Steven C. Grambow, Joseph Larson, Rickey E. Carter, Brad H. Pollock, Robert A. Oster. (2017) Statistical competencies for medical research learners: what is fundamental? *Journal of Clinical and Translational Science* 1(3): 146-152.
23. Tung-Ming Leung, **Emma K. T. Benn**, Matthew Galsky, David M. Latini, Heather H. Goltz, Cheryl T. Lee, Diane Z. Quale, Bente T. Jensen, Afaf Girgis, Barbara A. Given, Nihal E. Mohamed. (2017) Examining the psychometric properties of the bladder cancer needs assessment survey. *JOJ Urology & Nephrology* 4(1): doi: 10.19080/JOJUN.2017.4.555627.
24. **Emma K. T. Benn**, Chengcheng Tu, Ann-Gel Palermo, Luisa Borrell, Michaela Kiernan, Mary Sandre, Emilia Bagiella. (2017) The Applied Statistical Independence in Biological Systems (ASIBS) Short Course: a unique strategy for increasing the statistical competency of junior investigators in academic medicine. *Journal of Clinical and Translational Science* 1(4): 235-239.
25. Chengcheng Tu, **Emma K. T. Benn**. (2017) RRApp, a robust randomization app, for clinical and translational research. *Journal of Clinical and Translational Science* 1(6): 323-327.
26. Jessica Robinson-Papp, Alexandra Nmashie, Elizabeth Pedowitz, **Emma K. T. Benn**, Mary Catherine George, Sandeep Sharma, Jacinta Murray, Josef Machac, Sherif Heiba, Saurabh Mehndru, Seunghee Kim-Schulze, Allison Navis, Isabel Elicer, Susan Morgello. (2018) Vagal dysfunction and small intestinal bacterial overgrowth: novel pathways to chronic inflammation in HIV. *AIDS* 32(9): 1147-1156.
27. Nihal Mohamed, Hamida Chumpa, Jeenera Hossain, Taleen Bolbolian, Qainat N. Shah, Alexzander Ballard, Reza Mehrazin, **Emma K. T. Benn**, Heather H. Goltz, David Latini, Varsha Katari, Wally Karnilowicz, Ashutosh Tewari. (2018) A qualitative study on patients' decisions about active surveillance for low risk prostate cancer: examining patient and provider perspectives. *Journal of Urology and Renal Diseases: JURD-* 1121. DOI: 10.29011/2575-7903.001121.
28. Irmina Maria Michalek, **Emma K. T. Benn**, Florentino Luciano Caetano dos Santos, Sharon Gordon, Chi Wen, Bian Liu. (2019) A systematic review of global legal regulations on the permissible level of heavy metals in cosmetics with particular emphasis on skin lightening products. *Environmental Research* 170: 187-193.
29. **Emma K. T. Benn**, Richa Deshpande, Ogonnaya Dotson-Newman, Sharon Gordon, Marian Scott, Chitra Amarasiriwardena, Ikhlaz A. Khan, Yan-Hong Wang, Andrew Alexis, Bridget Kaufman, Hector Moran, Chi Wen, Christopher A. D. Charles, Novie O. M. Younger, Nihal Mohamed, Bian Liu. (2019) Skin bleaching among African and Afro-Caribbean women in New York City: findings from a P30 pilot study. *Dermatology and Therapy* 9(2): 355-367.
30. Maaïke Van Gerwen, Stephanie Tuminello, Gregory Riggins, Thais Mendes, Michael Donovan, **Emma K. T. Benn**, Eric Genden, Janete Cerutti, and Emanuela Taioli. (2019) Molecular study of thyroid cancer in World Trade Center responders. *International Journal of Environmental Research and Public Health* 16(9): 1600.
31. Irmina Maria Michalek, Bian Liu, **Emma K. T. Benn**, Florentino Luciano Caetano dos Santos (2019) Skin lightening products' violations in Europe: an analysis of the Rapid Alert System for dangerous non-food products 2005-2018. *Regulatory Toxicology and Pharmacology* 106: 50-54.
32. Nihal Mohamed, Tung Ming, Qainat N. Shah, Sailaja Pisipati, Donna L. Berry, **Emma K. T. Benn**, Cheryl T. Lee, Simon Hall, Reza Mehrazin, John Sfakianos. (2019) Involving patients in the development and evaluation of an educational, training, and experiential intervention (ETEI) to improve muscle invasive bladder cancer treatment decision making and post-

operative self-care: a mixed methods approach. Journal of Cancer Education.

<https://doi.org/10.1007/s13187-019-01534-1>.

33. Jessica Robinson-Papp, Alexandra Nmashie, Elizabeth Pedowitz, Mary Catherine George, Sandeep Sharma, Jacinta Murray, **Emma K. T. Benn**, Steven A. Lawrence, Josef Machac, Sherif Heiba, Seunghee Kim-Schulze, Allison Navis, Bani Chander Roland, Susan Morgello. (2019) The effect of pyridostigmine on gastrointestinal function and inflammatory markers in HIV associated autonomic neuropathy. Journal of NeuroVirology 25(4): 551-559.
34. Ilana Katz Sand, **Emma K. T. Benn**, Michelle Fabian, Kathryn C. Fitzgerald, Elise Digga, Richa Deshpande, Aaron Miller, Samantha Gallo, Lenore Arab. (2019) Randomized-controlled trial of a modified Mediterranean dietary program for multiple sclerosis: a pilot study. Multiple Sclerosis and Related Disorders 36: 101403.
35. Jessica Robinson-Papp, Judith Aberg, **Emma K. T. Benn**, Angela Bryan, Gabriela Cedillo, Yosuke Chikamoto, Mary Catherine George, Brady Horn, Alexandra Kamler, Allison Navis, Alexandra Nmashie, Maya Scherer, Angela Starkweather, Barbara Vickrey, Linda Weiss, Quichen Yang, Jeffrey Fisher. (2019) Decreasing risk among HIV patients prescribed opioid therapy for chronic pain: development of the TOWER intervention for HIV care providers. Contemporary Clinical Trials Communications 16: 100468.
36. Stijntje W. Dijk, Lisa Caulley, **Emma K. T. Benn**, Umut Özbek, Joost van Rosmalen, Bart S. Ferket. (2020) What is the value of reverse transcriptase polymerase chain reaction-based SARS-COV-2 tests for screening asymptomatic individuals? *Comment in response to Kucirka et al. (2020) Variation in false-negative rate of reverse transcriptase polymerase chain reaction-based SARS-CoV-2 tests by time since exposure*. Annals of Internal Medicine <https://www.acpjournals.org/doi/10.7326/M20-1495>.
37. Michalek IM, Pintro K, **Benn EKT**, Liu B, Caetano Dos Santos FL. An analysis of skin lightening products' violations reported in four U.S. databases in 2002-2020: In hunt of surveillance quality enhancement, not just an assessment of the magnitude of the problem [published online ahead of print, 2020 Jul 7]. Regul Toxicol Pharmacol. 2020;104731. doi:10.1016/j.yrtph.2020.104731
38. Jessica Robinson-Papp, Varuna Astha, Steven A. Lawrence, Alexandra Nmashie, Sandeep K. Sharma, Seunghee Kim-Schulze, Jacinta Murray, Mary Catherine George, Susan Morgello, Bridget R. Mueller, **Emma K.T. Benn**. (2020) Sympathetic function and markers of inflammation in well-controlled HIV. (In Press – Brain Behavior & Immunology)
39. Nihal E. Mohamed*, **Emma K. T. Benn***, Varuna Astha, Kennedy E. Okhawere, Talia G. Korn, William Nkemdirim, Ami Rambhia, Olajumoke A. Ige, Hassan Funchess, Meredith Mihalopoulos, Kirolos N. Meilika, Natasha Kyprianou, Ketan K. Badani. (2020) Association between chronic kidney disease and COVID-19 related mortality in New York. (Currently Under Review – Lancet).
40. Nihal Mohamed*, **Emma K. T. Benn***, Varuna Astha, Qainat Shah, Yasmine Gharib, Holden Kata, Heather Goltz, Zachary Dovey, Natasha Kyprianou, and Ashutosh Tewari. (2020) COVID-19 increases the gap of cancer disparities (Currently Under Review – Oncology Reports).
41. **Emma K. T. Benn***, Umut Özbek*, Steven Lawrence, Jung-Yi Lin, Bart Ferket. (2020) Racial/ethnic neighborhood composition and COVID-19 in New York City (Currently Under Review – Journal of Immigrant and Minority Health).
42. **Emma K. T. Benn**, Loni Philip Tabb, Portia Exum, Renee H. Moore, Felicia Simpson, Steven A. Lawrence, Scarlett L. Bellamy. (2020) Creating and sustaining effective pipeline initiatives to increase diversity in biostatistics: the ENAR Fostering Diversity in Biostatistics Workshop (Currently Under Review – Journal of Statistics Education).
43. Ellerie Weber, Sarah Miller, Varuna Astha, Teresa Janevic, **Emma Benn**. (2020) Characteristics of telehealth users in NYC for COVID-related care during the coronavirus pandemic (Currently Under Review – JAMIA).

44. Rachel Levantovsky & **Emma K. T. Benn**. (2020) Discovery beyond description: toward causal inference in Black and White patients with perianal Crohn's disease (Currently Under Review – American Journal of Gastroenterology).
45. Jessica Robinson-Papp, Steven A. Lawrence, Emeka Boka, Deborah Goetz, Alexandra Nmashie, Mary Catherine George, Peter Joe, Eugene Ruby, Bridget R. Mueller, **Emma K. T. Benn**, Dolores Malaspina. (2020) Autonomic dysfunction in psychosis (Currently Under Review – JNNP)
46. Steven A. Lawrence, Bian Liu, Hector Moran, Eleanor Holder, Sharon Gordon, Richa Deshpande, Irmina Maria Michalek, Florentino Luciano Caetano dos Santos, Liangyuan Hu, **Emma K. T. Benn**. (2020) The geographic distribution, temporal trend, and seasonality of skin bleaching-related Google search queries in the US, 2008-2018. (In Progress)
47. Jessica Robinson-Papp, Judith Aberg, **Emma K. T. Benn**, Richa Deshpande, Angela Bryan, Gabriela Cedillo, Yosuke Chikamoto, Mary Catherine George, Brady Horn, Alexandra Kamler, Allison Navis, Alexandra Nmashie, Maya Scherer, Angela Starkweather, Barbara Vickrey, Linda Weiss, Quichen Yang, Jeffrey Fisher. (2020) Collecting patient reported outcomes to facilitate prescription opioid risk-benefit assessment: development and pilot testing of the Opioid Management App (OM-App). (In Progress)

Other Peer-Reviewed Contributions

1. Kimberly F. Sellers, **Emma K. T. Benn**, Maria Garcia, Meghan Kellam. (2017) Addressing implicit bias among women statisticians and data scientists. *CHANCE* 30(2): 38-41.
2. Suzanne Thornton, Brittany Bailey, **Emma K. T. Benn**. (2019) Friends and allies: LGBT+ inclusion in statistics and data science. *Significance Magazine* 16(3): 39-41.

Book Chapters

1. **Emma K. T. Benn**. Power and privilege: reshaping the opportunity structure for equitable leadership in statistics and data science. (2020) In Amanda Golbeck (Ed.), *Leadership and Diversity in Statistics and Data Science*. Springer (In Production).

Invited Lectures/Presentations

Internal

1. **Emma K. T. Benn**. Missing Data in Observational Studies. Invited Lecture for the Clinical Research Education 2015 Summer Workshop in Clinical Research at the Icahn School of Medicine at Mount Sinai, New York, NY.
2. **Emma K. T. Benn**. Gender and Faculty Promotion. Invited Lecture for the Icahn School of Medicine at Mount Sinai Diversity Council (2015). New York, NY.
3. **Emma K. T. Benn**. Biostatistics and Health Disparities: A Strategically Effective Union. Keynote Speaker for the Center for Multicultural and Community Affairs 2015 Pathways to Science and Medicine Careers Medical & Graduate School Open House at the Icahn School of Medicine at Mount Sinai, New York, NY.
4. **Emma K. T. Benn**. Intersecting Identities: Issues in Healthcare for Queer Women of Color. Invited Panelist for Icahn School of Medicine at Mount Sinai, Columbia University College of Physicians and Surgeons, and the State University of New York at Downstate Medical School 2015 LGBTQ People in Medicine Series, New York, NY.
5. **Emma K. T. Benn**. Racial/ethnic Disparities & Causal Inference: Shifting Focus Away from "Circular" Slump. Invited Lecturer for the 2016-2017 INCHOIR Learning Lab. Icahn School of Medicine at Mount Sinai, NY, NY.

6. **Emma K. T. Benn.** RCT-BIAs: Proposing a Real-time Solution for Diverse Representation in Clinical Trials. Invited Presentation for the Icahn School of Medicine at Mount Sinai Institute for Healthcare Delivery Science Work in Progress Weekly Meeting on June 12, 2017.
7. **Emma K. T. Benn,** Sharon Edwards, Lisa Eiland, Cardinale Smith, Elizabeth Howell, Michelle Sainte. A Celebration of Black Women in Academic Medicine. Invited 2018 Black History Month Panel Presentation for the Icahn School of Medicine at Mount Sinai.
8. **Emma K. T. Benn.** Causal Inference & Disparities Research: What's Race Got To Do With It? Invited lecture for the 2018 Preventive Medicine Seminar.
9. **Emma K. T. Benn.** Race and Causal Inference: Important Considerations for Public Health Research. Invited lecture for the 2018 Introduction to Bio-behavioral Science Course.
10. **Emma K. T. Benn.** Race and Causal Inference in Health Disparities Research: Moving beyond our Circular Slump. Invited lecture for the 2019 CPC T32 Cancer Disparities Symposium.

External (Local/National)

11. **Emma K. T. Benn.** An Approach to Mitigating the Effects of Selection Bias in Non-random Samples. Invited Lecture for the 2014 Equity Research and Innovation Center (ERIC) Health Disparities Grand Rounds at the Yale School of Medicine, New Haven, Connecticut.
12. **Emma K. T. Benn.** Fostering Diversity in Biostatistics. Invited Panelist for the 2015 Eastern North American Region (ENAR) International Biometric Society Diversity in Biostatistics Pre-Conference Workshop in Miami, Florida.
13. **Emma K. T. Benn.** Stats and Apps: Having fun with R. Invited Lecture at the 2015 Infinite Possibilities Conference NSF Mathematical Biosciences Institute-sponsored Pre-Conference Biostatistics Workshop in Corvallis, Oregon.
14. **Emma K. T. Benn,** Rafael Irizarry, Francis Erebholo, Kimberly Sellers, Joe King. Statistics Careers in Academia and Graduate Programs in Statistical Sciences. Invited Panelist for the ASA Committee on Minorities in Statistics 2016 StatFest Conference, Howard University, Washington, DC.
15. **Emma K. T. Benn,** Maria M. Garcia, Meghan Kellam, Kimberly Sellers. An Outlier Personified: How to Overcome Inferences Stemming from Implicit Bias in the Community. Invited Panelist for the ASA 2016 Women in Statistics and Data Science Conference, Charlotte, NC.
16. **Emma K. T. Benn,** Megan Price. Flexing your Self-Confidence Muscles. Invited Panelist for the ASA 2016 Women in Statistics and Data Science Conference, Charlotte, NC.
17. **Emma K. T. Benn,** Mark Ward, Matt Ando, Helen Grundman, Bill Jones. Academic and Government Careers. Invited Panelist for the 2016 Math Alliance Field of Dreams Conference, St. Louis, MO.
18. **Emma K. T. Benn.** Racial/ethnic disparities & causal inference in health disparities research: are we just going around in circles? Invited Lecture for the Applied Statistics Session for the 2017 Association of Women in Mathematics Symposium, Los Angeles, CA.
19. **Emma K. T. Benn.** Increasing inclusion in clinical trials, promotion in academic medicine, and evidence of a prevalent, but underrated, problem. Invited Lecture for the Department of Epidemiology and Biostatistics 2017-2018 Seminar Series at the Dornsife School of Public Health at Drexel University.
20. **Emma K. T. Benn.** Careers in Math. Invited Panelist for the 2018 Gender Inclusivity in Mathematics Women in Mathematics and Statistics Conference at Harvard University.
21. **Emma K. T. Benn.** Sexual Harassment and Misconduct in Statistics. Invited Talk for the 2018 Infinite Possibilities Conference at Howard University, Washington, DC.
22. **Emma K. T. Benn.** Biostatistics & Diversity: A Necessary Intersection for Innovation. Invited Lecture for the 2018 Dr. Betty Shabazz Women's History Month Lecture Series for the Medgar Evers College School of Science, Health, and Technology, New York, NY.

23. **Emma K. T. Benn.** Applying for Graduate School. Invited panelist for the 2018 NYC Regional Math Alliance Conference at Kean University, Union, NJ.
24. **Emma K. T. Benn.** Race and causal inference: a necessary methodological framework for good. Invited Lecture for the 2018-2019 Data Science for Good Talk Series, Data Science Institute, Columbia University, New York, NY.
25. **Emma K. T. Benn.** Developing effective pipelines for increasing diversity in biostatistics: lessons learned and future directions. Invited Lecture for the 2018-2019 Grand Rounds Series for the Statistical Sciences Group, Los Alamos National Laboratory, Los Alamos, NM.
26. **Emma K. T. Benn.** Increasing inclusion, promotion and evidence: uniquely merging my intersectionality with my profession as a biostatistician. Invited lecture for the 2018-2019 Statistics and Data Science Lecture Series, Smith College, Northampton, MA.
27. **Emma K. T. Benn.** Introduction to biostatistics as a profession. Invited lecture for Rutgers University SMART Program 2019 Winter Academy for underrepresented middle school and high school students, Newark, NJ.
28. **Emma K. T. Benn.** Race and causal inference in health disparities research: moving away from our circular slump and towards effective interventions. Invited lecture for the 2019 Annual Caribbean Health Disparities Conference and Research Symposium, Hampton University, Hampton, VA.
29. **Emma K. T. Benn.** Statistical considerations for health disparities research. Invited lecture for the 2019 NMA Region I Conference, San Juan, Puerto Rico.
30. Uraina Clark, Amanda Calhoun, Steven Lawrence, Rachal Hegde, **Emma Benn.** Neural correlates of disengagement-coping behaviors and their relation to social discrimination. Invited lecture for the 2019 American College of Neuropsychopharmacology Annual Meeting, Orlando, Florida.
31. **Emma K. T. Benn.** Diversity in statistics: building and sustaining effective pipelines for recruiting and training the next generation of innovators. Invited lecture for the 2019-2020 University of Minnesota Division of Biostatistics Grand Rounds, Minneapolis, Minnesota.
32. **Emma K. T. Benn.** Increasing diversity in data science. Invited lecture for the 2020-2021 Harvard T.H. Chan School of Public Health Dana-Farber Cancer Institute and Department of Data Science Zoominars for Data Science.

External (International)

33. **Emma K. T. Benn,** Adrian Coles, Amanda Golbeck, Kimberly Sellers. Implicit Bias and the Profession of Statistics. Invited Panelist for the 2017 Joint Statistical Meetings in Baltimore, MD.
34. Ann-Gel Palermo, Luisa Borrell, Emilia Bagiella, **Emma K. T. Benn.** The Applied Statistical Independence in Biological Systems (ASIBS) Short Course: a novel educational initiative aimed at increasing statistical proficiency and reducing the racial/ethnic gap in promotion in academic medicine. Invited Presentation for the 2017 National Medical Association Region I Meeting, St. Thomas, Virgin Islands.
35. **Emma K. T. Benn,** Maryclare Griffin, Ji-Hyun Li, Sally Morton, Jean Opsomer, Rob Santos, Theres Utlaut, Donna LaLonde, Leslie McClure. Sexual Harassment & Assault – Confronting the Threat to our Statistical Community. Invited Panelist for the 2019 Joint Statistical Meetings, Denver, Colorado.
36. **Emma K. T. Benn,** Briana Stephenson, Heather Mattie, Miguel Marino, Maria Cuellar. Success in Graduate School. Invited Panelist for the 2019 Joint Statistical Meetings Diversity Mentoring Program and Workshop, Denver, Colorado.
37. **Emma K. T. Benn,** Maryclare Griffin, Sally Morton. Using data to inform the ASA's policy on sexual misconduct. Invited Panelist for the upcoming 2020 International Conference on Health Policy Statistics, San Diego, CA.

Voluntary Presentations

External (Local/National)

1. Kezhen Fei, Rennie Negron, **Emma Benn**, Ian Kronish, Carol R. Horowitz. Collective efficacy and medication adherence in stroke survivors. Poster presentation at the 2012 NIMHD Disparities Summit in National Harbor, Maryland.
2. **Emma K. T. Benn**, Ashley Fox, Kezhen Fei, Eric Roberts, Bernadette Boden-Albala. Cognitive difficulty and race/ethnicity in the US. does nativity matter? Oral Presentation at the 2013 American Public Health Association Annual Meeting in Boston, Massachusetts.
3. **Emma K. Benn**, Kezhen Fei, Eric T. Roberts, Leigh Quarles, Bernadette Boden-Albala. Racial/ethnic differences in psychological distress after stroke. Poster Presentation at the Epidemiology and Prevention | Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions in New Orleans, Louisiana.
4. **Emma K. T. Benn**, Ashley Fox, Kezhen Fei, Eric Roberts, Bernadette Boden-Albala. Racial/ethnic differences in cognitive difficulty in the U.S.: does nativity matter? Poster Presentation at the 2013 Population Association of America Annual Meeting in New Orleans, Louisiana.
5. Eric T. Roberts, **Emma K. T. Benn**, Leigh Quarles, Veronica Perez, Bernadette Boden-Albala. An Interactive Intervention to Increase Stroke Knowledge: Results of the Swift Study. Poster Presentation at the 2014 EPI|NPAM Conference in San Francisco, California.
6. **Emma K. T. Benn**. Cognitive disability in children: does nativity matter? Poster Presentation at the 2014 Women in Statistics Conference in Raleigh-Durham, North Carolina.
7. **Emma K. T. Benn**, Chengcheng Tu, Janice Gabilove, Alan Moskowitz, Luisa N. Borrell, Michaela Kiernan, Ann-Gel Palermo, Emilia Bagiella. Increasing research capacity and promotion of clinical investigators through statistical training. Poster presented at the 2016 ACTS Translational Science Conference in Washington, DC.
8. Chengcheng Tu, **Emma K. T. Benn**. RRAApp, a robust randomization app, for clinical and translational research. Abstract selected for oral presentation and winner of the Student Award Competition for the 2016 Association of Clinical and Translational Statisticians Annual Meeting in Chicago, IL.
9. Nihal E. Mohamed, Heather Honore-Goltz, David Latini, **Emma K. T. Benn**, Reza Mehrazin, Joseph Kannry, Ash Tewari. Examining barriers and facilitators of treatment decision making and adherence to active surveillance in patients with localized prostate cancer. Invited abstract for the 2016 Department of Defense Innovative Minds in Prostate Cancer Today (IMPACT) Meeting in Baltimore, MD.
10. **Emma K. T. Benn**, Felicity Enders, and BERD SIG Members. Research on a napkin: feedback on design and statistical issues. Workshop for the 2017 ACTS Translational Science Meeting in Washington, DC.
11. **Emma K. T. Benn**, Emilia Bagiella, Melissa Begg. Biostatistical education to increase research innovation and diversity in academic medicine. Panel presentation for the 2017 ACTS Translational Science Meeting in Washington, DC.
12. **Emma K. T. Benn**, Marie K. Norman, Doris Rubio, Nicole C. Masen. Designing successful online programs: goals, challenges, lessons learned. Panel presentation for the 2017 ACTS Translational Science Meeting in Washington, DC.
13. **Emma K. T. Benn**, Dionne Price, Merlise Clyde, Elizabeth Stuart, Leslie Ain McClure. “ ‘Too young’ to lead...but stepping up anyway: shifting the leadership pendulum in (bio)statistics and data science.” Panel presentation for the 2017 Women in Statistics and Data Science Conference in La Jolla, CA.

14. **Emma K. T. Benn**, Maria Garcia, Mine Dogucu. "Is there room for intersectional feminism in statistics and data science?" Panel presentation for the 2017 Women in Statistics and Data Science Conference in La Jolla, CA.
15. Sharon Gordon, Bian Liu, Ogonnaya Newman, Marian Scott, Richa Deshpande, Nihal Mohamed, **Emma K. T. Benn**. "Skin bleaching among Afro-Caribbean and African women in NYC: key contributions and unique perspectives from the Community Engagement Core. Oral presentation for the 2017 American Public Health Association Annual Conference in Atlanta, GA.
16. **Emma K. T. Benn**, Felicity Enders, Doris Rubio, Sally W. Thurston. "#DiversityMatters: biostatisticians' contributions to increasing the diversity and success of the clinical investigator workforce." Abstract accepted for a panel presentation at the 2018 ACTS Translational Science Meeting in Washington, DC.
17. **Emma K. T. Benn**, Brittany Green, Suzanne Thornton. "Preparing for increased gender diversity and inclusion in statistics & data science: important perspectives from gender non-conforming and LGBTQ+ scholars." Abstract accepted for panel presentation at the 2018 Women in Statistics and Data Science Conference in Cincinnati, OH.
18. Mine Cetinkaya-Rundel, **Emma Benn**, Simone Gray, Alison Tuiyott, Julieth Paola Diaz, Stephanie Hicks. "How can we attract and empower women to study STEM fields?" Abstract accepted for panel presentation at the 2018 Women in Statistics and Data Science Conference in Cincinnati, OH.
19. **Emma K. T. Benn**, Brittney Green, Wendy Martinez, Jack Miller, Miles Ott, Donna LaLonde, Suzanne Thornton. Conference within a conference: a forum for sharing a research and education agenda. Panel presentation for the 2019 Women in Statistics and Data Science Conference in Bellevue, Washington.
20. **Emma K. T. Benn**, Donna LaLonde, Sally Morton, Leslie McClure. Promoting an inclusive and equitable culture for women in statistics and data science: recommendations from the ASA Task Force on Sexual Harassment and Assault. Panel presentation for the 2019 Women in Statistics and Data Science Conference in Bellevue, Washington.
21. **Emma K. T. Benn**, Loni Philip Tabb, Rebecca Betensky, Leslie Ain McClure, Scarlet Bellamy. An effective strategy to enhance pipeline initiatives to increase diversity in (bio)statistics and data science. Panel session accepted for the 2020 Women in Statistics and Data Science Conference.
22. Umut Özbek, Felicity Enders, Mine Çetinkaya-Rundel, **Emma Benn**. Directly confronting privilege: deliberate strategies for reducing barriers to statistics and data science education. Panel session accepted for the 2020 Women in Statistics and Data Science Conference.

External (International)

23. **Emma Benn**, Emilia Bagiella. Assessing Compliance in the COBRIT Trial. Oral Presentation at the 2012 International Brain Injury Association Conference in Edinburgh, Scotland.
24. **Emma K. Benn**, Kezhen Fei, Eric T. Roberts, Leigh Quarles, Bernadette Boden-Albala. Race/ethnicity modifies increased recurrent event risk for female stroke survivors. Poster Presentation at the 2013 International Stroke Conference in Honolulu, Hawaii.
25. Kezhen Fei, **Emma K Benn**, Rennie Negron, Stanley Tuhim, Carol R. Horowitz. Latino stroke survivors more likely to experience depression. Poster Presentation at the 2013 International Stroke Conference in Honolulu, Hawaii.
26. **Emma K. T. Benn**, Leigh Quarles, Anastasia Sofianou, Veronica Perez, Vanessa Nieto, Bernadette Boden-Albala. John Henryism, Race-Ethnicity and Stroke Risk: Pilot Findings from the DESERVE Trial. Moderated Poster Presentation at the 2014 International Stroke Conference in San Diego, California.

27. Richa Deshpande, **Emma K. T. Benn**, Chengcheng Tu, Peter R. Dottino, Molly Lieber, Ann Marie Beddoe. Educational attainment and response bias: a unique barrier when studying predictors of HPV in Liberia. Poster presentation for the 2017 SGO Annual Meeting on Women's Cancer in National Harbor, MD.
28. **Emma K. T. Benn**, Kimberly F. Sellers. Implicit bias in the profession of statistics. Panel presentation for the 2017 Joint Statistical Meetings in Baltimore, MD.
29. **Emma K. T. Benn**, Felicity Enders, John McGready, Marian Frazier, Jennifer Daddysman. Assessment: an essential component of students' learning and educators' understanding. Panel presentation for the 2017 Joint Statistical Meetings in Baltimore, MD.
30. Keegan Korthauer, Leslie McClure, Kerri Mengersen, **Emma K. T. Benn**, Lance Waller, Kristian Lum, Di Cook, Stephanie Hicks. "Addressing Sexual Misconduct in the Statistics Community." Abstract accepted as a late breaking panel presentation for the 2018 Joint Statistical Meetings in Vancouver, British Columbia, Canada.
31. Chi Wen, **Emma Benn**, Richa Deshpande, Bian Liu. Exposure of inorganic mercury in the general population and ethnic minorities in New York City and its associations with skin lightening practice. Poster presentation at the 2018 Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology in Ottawa, Canada.
32. Irmira Michalek, **Emma K. Benn**, Chi Wen, Richa Deshpande, Bian Liu. A review of global legal regulations on the permissible levels of heavy metals in cosmetics with special emphasis on skin lightening products. Oral presentation at the 2018 Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology in Ottawa, Canada.
33. Ilana B. Katz Sand, Elise Digga, **Emma Benn**, Richa Deshpande, Samantha Gallo, Michelle Fabian, Aaron Miller, Lenore Arab. A modified Mediterranean Dietary Intervention for Multiple Sclerosis: results of a pilot study and lessons learned for future dietary research in MS. 2019 European Committee for Treatment and Research in Multiple Sclerosis Meeting, Berlin, Germany.