



COLUMBIA UNIVERSITY
MEDICAL CENTER

Center for Injury Epidemiology and Prevention



Innovations in Translating Injury Research into Effective Prevention

2nd Annual Regional Conference

Department of Epidemiology, Mailman School of Public Health
Department of Anesthesiology, College of Physicians and Surgeons

AGENDA

Innovations in Translating Injury Research into Effective Prevention

2nd Annual Meeting of the Center for Injury Epidemiology and Prevention at Columbia University

722 West 168th Street, 8th Floor Auditorium

May 31, 2014

9:30 am - 4:00 pm

Breakfast and Registration		9:30 am
Welcome and Introductions	Dr. Guohua Li Dr. Barbara Barlow	10:00 am
NYC DOHMH Commissioner	Dr. Mary Bassett	10:15 am
Break		10:45 am
CIEPAC/Columbia University Research		11:00 am
Moderator: Dr. Charles DiMaggio		
Prescription drug overdose	Ms. Joanne Brady	
MV injury in backseat passengers	Dr. Joyce Pressley	
Neighborhood interventions for alcohol-related homicide	Dr. Katherine Keyes	
Pedestrian Safety	Dr. Charles DiMaggio	
Lunch with roundtables and networking		12:00 am
NYC violence initiatives	Dr. Catherine Stayton	
NYS DOH initiatives	Mr. Michael Bauer	
Child injury prevention	Dr. Barbara Barlow	
Prescription drug overdose	Dr. Denise Paone	
Falls in older adults	Dr. Thelma Mielenz	
ACS Trauma Center certification and Injury prevention	Ms. Pina Violano/Ms. Sally Jacko	
Road safety initiatives	Dr. Allison Goldberg	
Road Safety: Public health approaches		1:30 pm
Moderator: Dr. Joyce Pressley		
Global Road Safety: Policy and legal initiatives	Ms. Kelly Larson	
National Road Safety: Drugged driving	Dr. Guohua Li	
State Road Safety: MV injury in NY State	Mr. Michael Bauer	
City Road Safety: NYC Vision Zero initiatives	Mr. Jon Orcutt	
Publishing/Disseminating your injury science	Dr. Joyce Pressley/	3:00 pm
Writing a successful scientific injury paper/Publishing in the new open access journal, <i>Injury Epidemiology</i>	Dr. Guohua Li	
Wrap up and Coffee		3:45 pm

Sponsored by:

Center for Injury Epidemiology and Prevention at Columbia University
Department of Epidemiology, Mailman School of Public Health
Department of Anesthesiology, College of Physicians and Surgeons

BIOS

Barbara Barlow, MA, MD, FACS, FAAP

Dr. Barbara Barlow is Professor of Surgery Emerita in Epidemiology and Special Lecturer in Epidemiology at Columbia University Mailman School of Public Health. In addition, she is Associate Director of the CDC-funded Center for Injury Epidemiology and Prevention at Columbia. Dr. Barlow is the founder and Executive Director of the Injury Free Coalition for Kids, a National Program developed with funding from the Robert Wood Johnson Foundation. She is a former member of the American College of Surgeons Committee on Trauma and the American Academy of Pediatrics Committee on Pediatric Emergency Medicine. She has received awards from the American Hospital Association, the American Academy of Pediatrics, the US Department of Transportation, the National Highway Traffic Safety Administration, the National Safety Council, the American Trauma Society, the National Association of Public Hospitals, the Society of Public Health Educators of the American Public Health Association, the Johnson and Johnson Foundation, The Allstate Foundation, the Hospital Association of New York, the American Association of Medical Colleges' David E. Rogers Award, the Renaissance Woman Award from the Foundation for Women in Medicine, the Distinguished Career Award from the American Public Health Association, and the Sloan Public Service Award from the Fund for the City of New York. She was also the recipient of the CDC Foundation's National Hero Award for her work in injury prevention among children. Dr. Barlow was Chief of Pediatric Surgery at Harlem Hospital for nearly 25 years and Director of Surgery at Harlem Hospital from 1999 until her retirement in 2009.

Mary Travis Bassett, MD, MPH

With more than 30 years of experience in public health, Dr. Mary Travis Bassett has dedicated her career to advancing health equity. After Dr. Bassett completed her medical training, she moved to Harare, Zimbabwe, where she served on the medical faculty at the University of Zimbabwe for 17 years. In that role, she developed a range of AIDS prevention interventions to address one of the world's worst AIDS epidemics. She later served as the associate director of Health Equity at the Rockefeller Foundation's Southern Africa Office, overseeing its Africa AIDS portfolio.

In 2002, Dr. Bassett was appointed deputy commissioner of Health Promotion and Disease Prevention at the New York City Department of Health and Mental Hygiene, where she directed key initiatives, including bans on smoking and trans fats in restaurants and the requirement at chain restaurants to post calorie counts. She also established the department's District Public Health Offices (DPHOs) to lead targeted health and communication strategies in these communities that experience an excess burden of disease.

Since 2009, Dr. Bassett served at the Doris Duke Charitable Foundation as program director for the African Health Initiative and more recently has led the Child Well-being Program. Both portfolios have focused on strengthening systems to support health improvement. Dr. Bassett grew up in New York City, received her B.A. in History and Science from Harvard University, and received her MD degree from Columbia University's College of Physicians and Surgeons. She served her medical residency at Harlem Hospital Center. Dr. Bassett has a master's degree in Public Health from the University of Washington. She has served for many years as an Associate Editor of the *American Journal of Public Health*.

Michael Bauer, MS

Michael Bauer serves as Section Chief of Epidemiology and Surveillance at the New York State Department of Health, Bureau of Occupational Health and Injury Prevention. Mr. Bauer is committed to moving research to practice, working with program staff to assure data is included in all program work, is easily understood, and is useful to practitioners.

Joanne Brady, SM

Joanne Brady is a senior staff associate at the Department of Anesthesiology and a doctoral candidate in Epidemiology at Columbia University. She received graduate training in epidemiology and biostatistics from Harvard School of Public Health and has over 15 years of experience working in data management, computer programming and statistical analysis. Her recent research has focused on drugged driving and drug overdose prevention. She is working on her PhD thesis project aimed at developing an algorithm for predicting drug overdose mortality risk based on emergency department utilization patterns.

Charles DiMaggio, PhD, MPH, PA-C

Dr. Charles DiMaggio is Associate Professor at the Columbia University Departments of Anesthesiology and Epidemiology, and research director of the Center for Injury Epidemiology and Prevention at Columbia. He is an injury epidemiologist whose NIH and CDC funded work includes describing and analyzing the epidemiology of pediatric pedestrian injuries for the New York City Department of Transportation, establishing a surveillance program to track and explain the behavioral health effects of the terrorist attacks of September 11th, 2001 in New York, and investigating the developmental and behavioral effects of anesthesia on young children. He has an active interest in the application of epidemiological approaches like Bayesian and Spatial models to large data sets, and teaches introductory and advanced methods using the SAS and R programming languages. Dr. DiMaggio's previous positions include chief research scientist with the Nassau County, NY, Department of Health, where he worked on a variety of projects, including bioterrorism preparedness, syndromic surveillance, and health disparities, and as Chief Physician Assistant and Director of Research for the Emergency Department at Mt. Sinai School of Medicine at Elmhurst Hospital Center in NY.

Allison Goldberg, PhD

Dr. Allison Goldberg is the Director of Global Corporate Affairs at Anheuser-Busch InBev (AB InBev). In this role, Dr. Goldberg manages and helps develop the company's evidence-based research approach to advancing prudent policy related to global health. She manages public health partnerships and initiatives, one of which is focused on advancing road safety, and ensures that research and best practices are embedded in these initiatives. Prior to joining AB InBev, Dr. Goldberg spent eight years working with consumer health and pharmaceutical companies, health providers, national and local governments, and non-governmental organizations, all sharing interests in developing and implementing evidence-based solutions to address global health challenges. She worked on topics ranging from HIV/AIDS to maternal and child health, health innovation scale-up, models for public-private sector partnership, and the social determinants of health. Dr. Goldberg earned a B.A. in Political Science from the University of Michigan, Ann Arbor, and an interdisciplinary PhD in Public Health and Political Science from Columbia University.

Sally Jacko, RN, MPH

Sally Jacko has been involved in the trauma field for over 20 years. Her trauma experience began as a Trauma Coordinator at St. Vincent's Medical Center in Bridgeport, Connecticut, where she developed the trauma program from its foundation and brought it successfully through the American College of Surgeons (ACS) Level II verification and re-verification site surveys. As Trauma Program Manager of two Level I trauma centers in New York City- Lincoln Medical Center and Harlem Hospital Center, she was involved in bringing the trauma centers successfully through the New York State Department of Health Level I trauma site surveys. Currently, as the Trauma Program Manager at Bellevue Hospital Center, she has participated in the recent ACS Level I trauma center consultation site survey and is preparing the hospital for ACS Level I trauma center verification. Her background also includes injury prevention, having served as Deputy Director of the Injury Free Coalition for Kids at Columbia University Mailman School of Public Health. She is a member of the Department of Transportation Commissioner's Committee on Safe Streets and the New York City Chapter of SafeKids, and has published numerous articles on pedestrian and bicycle safety.

Katherine M. Keyes, PhD

Dr. Katherine Keyes is assistant professor in the Department of Epidemiology at the Columbia University Mailman School of Public Health, New York. Her research focuses on life course epidemiology with particular attention to psychiatric disorders, including examination of fetal origins of child and adult health, long-term outcomes of adverse childhood environments, and cross-generational cohort effects on substance use, mental health, and chronic disease. She is an expert in methodological issues in age-period-cohort effect estimation. Along with Dr. Magdalena Cerda, she is the co-PI of an NIAAA-funded grant to examine neighborhood interventions to reduce alcohol-attributable homicide using agent-based modeling.

Kelly Larson, MPH

Kelly Larson directs Bloomberg Philanthropies' injury prevention portfolio, which includes the 5-year, \$125 million Bloomberg Global Road Safety Program targeting 10 low- and middle-income countries, including Brazil, Cambodia, China, Egypt, India, Kenya, Mexico, Turkey, Russia and Vietnam as well as a drowning prevention research program in Bangladesh. She also provides technical assistance and support to implementing partners of the Bloomberg Initiative to Reduce Tobacco Use. Prior to joining Bloomberg Philanthropies in August 2008, Ms. Larson directed a citywide provider outreach program modeled after the pharmaceutical sales approach for the New York City Department of Health and Mental Hygiene. She also managed chapter services and a national health education program for the National Hemophilia Foundation in New York City. Early in her career, Ms. Larson served as a Peace Corps Volunteer focusing on health education on a remote outer island in the Federated States of Micronesia, and directed health education efforts on water and sanitation in Pacific Island Countries as part of the United Nations Development Program based in Fiji. Ms. Larson has been published in a variety of scientific journals, including the *American Journal of Public Health*, *Traffic Injury Prevention*, *Public Health Reports*, *Journal of Communication in Healthcare*, and *American Journal of Preventive Medicine*. Ms. Larson has appeared on television in Bangladesh, the Philippines, Russia, and China. Ms. Larson earned a Bachelor of Arts in Communications from Pacific Lutheran University in Tacoma, Washington and a Master of Public Health from Columbia University in New York.

Guohua Li, MD, DrPH

Dr. Guohua Li is the M. Finster Professor of Epidemiology and Anesthesiology, and Director of the Center for Injury Epidemiology and Prevention at Columbia University. He graduated from Beijing Medical University and completed doctoral and post-doctoral training in injury epidemiology and prevention at Johns Hopkins University. Dr. Li served as Professor and Director of Research in the Department of Emergency Medicine, Johns Hopkins University School of Medicine. Dr. Li has published over 150 manuscripts in peer-reviewed journals. He is a coauthor of the *Injury Fact Book* and co-editor of *Injury Research: Theories, Methods, and Approaches*. Dr. Li's work has been funded by the National Institutes of Health. His research focuses on population-based and policy-oriented studies of injury causation and trauma outcomes that encompass innovative methods and complex data systems. His research has contributed to the development, implementation, and evaluation of graduated driver licensing programs to prevent injuries from motor vehicle crashes in novice drivers, and provided the scientific evidence for extending the mandatory retirement age for airline pilots from 60 to 65 by the International Civil Aviation Organization and the Federal Aviation Administration. Dr. Li's work includes the decomposition method for quantifying the major contributing factors to injury mortality variations across population groups, geographic regions, and time periods, and a semi-parametric technique for studying long-term, complex epidemiological patterns in contingency table data. Dr. Li is a William Haddon, Jr Fellow, a Fellow in Aerospace Medicine, and a Fellow of the American College of Epidemiology. He is a recipient of the Kenneth Rothman Epidemiology Prize (1999), the Guggenheim Fellowship (2005), and the John Paul Stapp Award (2009).

Thelma Mielenz, PhD

Dr. Thelma Mielenz is Assistant Professor of Epidemiology at the Columbia University Mailman School of Public Health. She completed her doctoral training in epidemiology at the University of North Carolina Gillings School of Public Health and AHRQ NRSA pre and postdoctoral fellowships at the Cecil G. Sheps Center for Health Services Research. Her present research interests include 1) innovative ways to scale-up community evidence based programs to prevent falls and promote self management of chronic diseases; 2) health systems redesign focused on clinical and community linkages to deliver preventive services; and 3) psychometrics of outcome instruments to measure physical disability and related constructs. Currently, Dr. Mielenz is the PI of a health systems project from the first round of PCORI funding opportunities. She is also PI of a behavioral change translational falls project and Co-director of the Education Core within the Center for Injury Epidemiology and Prevention funded by the CDC. She is a Co-I on an NIH NIA Roybal Center Translational Research Institute on Pain in Later Life. Dr. Mielenz also has a background as a board certified orthopedic physical therapist with expertise in functional assessments.

Jon Orcutt

Jon Orcutt is the Policy Director at the New York City Dept. of Transportation. Jon oversaw development of NYC DOT's strategic plan in 2007-2008 and has been a leader of the team that has delivered major street design and other transportation innovations in NYC over the past seven years. These include major new pedestrian and public spaces along Broadway in Manhattan and throughout the city, weekend pedestrian streets, a robust and extensive cycling network and a set of new safety programs, including 20mph zones in residential areas. He led the development of CitiBike, the City's large scale public bicycle program, New York's integrated pedestrian wayfinding system and coordinated the development of Mayor de Blasio's recent Vision Zero traffic safety policy. Jon also teaches an annual course on contemporary transportation policy issues at New York University's Wagner School of Public Service. Jon has contributed to transportation policy-making reform in New York City and the New York metropolitan area for nearly twenty years. Prior to joining NYCDOT in 2007, he served as executive director of both Transportation Alternatives and the Tri-State Transportation Campaign, overseeing growth and rising influence of both organizations.

Denise Paone, EdD

Dr. Denise Paone is the Director of Research and Surveillance in the Bureau of Alcohol and Drug Use Prevention, Care and Treatment at the New York City Department of Health and Mental Hygiene. Dr. Paone received her Masters and Doctoral degrees from Columbia University. She has worked in the field of public health, harm reduction, and substance use research for more than twenty years. Dr. Paone is conducting drug related morbidity and mortality studies, with a special emphasis on unintentional drug poisoning deaths and opioid analgesic use. She is directing a new real-time drug surveillance project, RxStat, which is an innovative collaboration between Public Health and Public Safety, an initiative of the Mayor's Task Force on prescription painkillers. Dr. Paone is the chair of the overdose sub-committee for the National Council of State and Territorial Epidemiologists (CSTE).

Joyce Pressley, PhD, MPH

Joyce Pressley, PhD, MPH, is an Associate Professor of Epidemiology and Health Policy and Management at Columbia University Medical Center and Co-director of the Outreach Core for the Columbia University's CDC funded Injury Control Research Center. She is a member of the Committee on Occupant Protection of the Transportation Research Board of the National Academies, Chair of the 2013 and 2014 Program Committee for APHA's Injury Control and Emergency Health Services Section. She currently serves as Director of the Department of Epidemiology's master's level internship and thesis programs and is Faculty Lead for the Columbia MPH Injury Prevention and Control Certificate. Her current research interests include evaluating the impact of legislative regulatory policies and laws on unintentional injury, motor vehicle safety, technological advances for motor vehicle occupant protection, injury-related health disparities and injury in vulnerable populations. She has published in the areas of motor vehicle safety, home safety including window falls, the impact of injury-related laws, injury disparities, and injury in vulnerable populations. She previously served as the

principal investigator of an NIH-funded, injury-related health disparities research core, Director of Injury Free Health Policy and Population Studies and chaired the Injury Control and Emergency Health Services Section of the American Public Health Association.

Catherine Stayton, DrPH, MPH

Dr. Catherine Stayton directs the NYC Department of Health's Injury and Violence Prevention Program and in recent years has advanced a portfolio of research, program, and policy formulation in the following priority: violence, suicide and self-inflicted injuries, motor vehicle-related injuries. In 2013, she authored a first-of-its kind epidemiology report on firearms injuries. The report highlighted the public health successes (e.g., NYC's exceptionally low firearm-suicide rates compared to the nation and other urban areas) that accompany restrictive gun laws. It also highlighted areas where rates of gun violence are entrenched and are two to three times the citywide average. Under her direction, the Injury and Violence Prevention Program expanded and strengthened oversight of the replication of Cure Violence in NYC; securing new funding, new partnerships, training resources, new Health Department staff, and essential NYPD data.

Currently, Dr. Stayton and her staff provide fiscal and program oversight to six Cure Violence sites across New York City; in short, leading implementing agency efforts to replicate this pioneering violence prevention program in high-need NYC neighborhoods. Dr. Stayton also oversees the surveillance of violence and injury citywide and at the neighborhood level. Using multiple data sources, Dr. Stayton and her staff monitor fatal and non-fatal injury in New York City over time and place, identify populations at risk, and disseminate data on a broad range of injury topics. For over fifteen years, Dr. Stayton has conducted action research in the areas of youth violence, intimate partner violence, child well-being, adolescent risk behaviors, and substance abuse. As a research associate at the Vera Institute of Justice in the mid 1990s, she designed and conducted an impact evaluation of a family-focused drug treatment program on the Lower East Side. Her dissertation research at Columbia University's Mailman School of Public Health examined the health care response to intimate partner violence in a prenatal care setting. For eight years, she taught Epidemiology and Research Methods at Brooklyn College (of the City University of New York).

Pina Violano, RN, MS, ABD

Pina Violano is the Injury Prevention Coordinator for Yale-New Haven Hospital's Trauma Department and Program Coordinator and Principal Investigator of the Injury Free Coalition for Kids of New Haven, Yale-New Haven Children's Hospital. Ms. Violano received an AD and BSN from Quinnipiac College and a MS in Public Health from Southern Connecticut State University. She is currently working on her doctorate in Public Health. She worked for 12 years as a staff/charge nurse in the Pediatric Intensive Care Unit, 3 years Shoreline Emergency Room, 14 years Clinical Nurse Educator for the Yale-New Haven Children's Hospital and most recently Injury Prevention Coordinator, Adult and Pediatric Trauma Programs, Yale-New Haven Hospital. She is active in the Yale-New Haven Trauma Center accreditation program. She has experience working with Street Smarts Pedestrian Safety Initiative, establishing a gun buyback program, a car seat program, the text you later campaign (a unique peer-to-peer initiative focused on the dangers of texting while driving), and the Walk Safe Program. Ms. Violano was recipient of the 2012 Healthcare Hero Award, 2012 Dorothy Sexton Mentor Award, the 2011 Child Passenger Safety Technician of the Year Award, the Marie Hippensteel Lingeman Award for Excellence in Nursing Practice, 40 under Forty Award from the New Haven Business Times, and the CPR Excellence Award by AHA and nurse of the year award from YNHH.



The Center for Injury Epidemiology and Prevention

The Center for Injury Epidemiology and Prevention (CIEPAC) is a federally funded center of excellence to provide leadership and coordination in injury control research, education and practice. The research portfolio employs an interdisciplinary approach and concentrates on innovative methodology, practical and objective knowledge, and effective interventions to reduce injury morbidity and mortality on the population level.

A multidisciplinary group of faculty and injury prevention professionals contribute a diverse set of skills and expertise in epidemiology, biostatistics, health policy, engineering, emergency medicine, pediatrics, surgery, rehabilitation, and geriatrics to address unintentional and intentional injuries across the life span. The Center's transformative training and education programs provide learning opportunities for students, researchers, clinicians, and other professionals.

A Center outreach network is being incubated to promote collaboration across academic, public and private sectors and to facilitate translation of scientific discoveries into effective injury prevention programs.



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