

Seventh Annual Vision Zero Research on the Road
November 13, 2024
4 World Trade Center, 43rd Floor, HRA Dumpson Conference Center

Agenda

9:15a – 9:30a: **Arrival and Sign-In**

9:30a – 10:30a: **Opening Session** (Room B/C River Facing)

- Gathering Remarks, Geraldine Sweeney, Chief Strategy Advisor, NYC Mayor's Office of Operations
- Welcoming Remarks, Ydanis Rodriguez, Commissioner, NYC Department of Transportation
- Overview of Traffic Fatalities in NYC, Ann Marie Doherty, NYC Department of Transportation
- Conferring of Research Awards
- Presentation: *Physical Environmental Roadway Interventions and Injury and Death for Vulnerable Road Users in New York City* (Research Award Winner), Christopher N. Morrison, PhD, Columbia University Mailman School of Public Health

10:30a – 10:35a: **Move to next session**

10:35a – 11:35a: **Concurrent Panel Presentation Sessions**

Health Data for Road Safety Research (Room B/C River Facing)

Moderator: Catherine Stayton, NYC Department of Health and Mental Hygiene

- Measuring Micromobility Injuries with Emergency Department Data, Lawrence Fung and Pierre Amiel, NYC Department of Health and Mental Hygiene
- Measuring and Standardizing Micromobility Injury Data Across NYC Health + Hospitals:
- Current Trends & Future Directions, Ashley C. Pfaff, MD, FACS, NYU Langone Health and Bellevue Hospital Center
- Major Traffic Safety Reform and Road Traffic Injuries Among Low-Income New York Residents, 2009–2021, Kacie L. Dragan, PhD, MPH, The Dartmouth Institute, Harvard University GSAS, and NYU Wagner (Research Award Honorable Mention)

Safer Road Users (Room A)

Moderator: Erin LaFarge, NYC Department of Transportation

- Driver Behavior Study, Rob Viola, NYC Department of Transportation
- Unveiling the Cannabis-Involved Driving Landscape in New York: Insights from the DRE Data, Yinzhi Shen, PhD, Institute for Traffic Safety Management & Research, University at Albany

- Comparing alcohol involvement among injured pedalcycle and motorcycle riders across three national public-use datasets, Katie Burford, PhD, MS, Columbia Mailman School of Public Health

11:35a – 11:40a: **Move to discussion session**

11:40a – 12:30p: **Concurrent Discussion Sessions**

- i. Health Data for Road Safety Research
 1. Section 1: Nana Bonah, Josie Matteson
 2. Section 2: Anna DiGiuseppe, Ariel Spira-Cohen
- ii. Safer Road Users
 1. Section 1: Russell Glynn, Daisy Garcia Montiel
 2. Section 2: Terri Matthews, Ryan Leighton

12:30p – 1:30p: **Lunch Break**

1:30p – 2:30p: **Concurrent Panel Presentation Sessions**

Safer Speeds and Enforcement (Room B/C River Facing)

Moderator: Irene Figueroa-Ortiz, NYC Department of Transportation

- Speed Limit Reduction and Traffic Injury Prevention in New York City, Bryan Weber, College of Staten Island (Research Award Honorable Mention)
- Automated Enforcement Camera Equitable Design, Erin LaFarge, NYC Department of Transportation
- New York City Interagency Ghost Plate Operation & High Crash Corridor Initiative, Deputy Chief Thomas Alps, NYPD

Safer Vehicles (Room A)

Moderator: Nathaniel Koszer, NYC Department of Citywide Administrative Services

- Safe Vehicles in the Regulated Trade Waste Industry, Nicole Mathias, NYC Business Integrity Commission
- New York City Intelligent Speed Assistance Pilot Evaluation, Tomomi Landsman, NYC Department of Citywide Administrative Services
- Ensuring Safety through Data-Driven Approaches, Matt Berlin, NYC School Bus Umbrella Services

2:30p – 2:35p: **Move to discussion session**

2:35p – 3:20p: **Concurrent Discussion Sessions**

- i. Safer Speeds and Enforcement
 - a. Section 1: Kim Wiley-Schwartz, Anna DiGiuseppe
 - b. Section 2: Geraldine Sweeney
- ii. Safer Vehicles
 - a. Section 1: Catherine Ponte, Ryan Leighton
 - b. Section 2: Eric Richardson, Terri Matthews

3:20p – 3:25p: **Move to next session**

3:25p – 4:00p: **Closing Session** (Room B/C River Facing)

- Closing Remarks, Geraldine Sweeney, NYC Mayor's Office of Operations
- Summing-Up Activity, Anna Caffarelli, NYC Department of Health and Mental Hygiene

4:00p – 4:15p: **Networking and Departure**

Thank you for attending. Please complete this survey to give us feedback on the event.



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Biographies

Thomas J. Alps, Deputy Chief, currently serves as the Executive Officer of the Transportation Bureau. Before joining the New York City Police Department, Deputy Chief worked as a United States Border Patrol Agent in El Paso, Texas from 1996 to 2000. He then joined the New York City Police Department in September 2000, and began his career on patrol in the 52 Precinct. He also served in the 28, 40, 41, 43, and 49 Precincts, Operations and Analysis Section, Criminal Intel Section and Patrol Borough Bronx. He was promoted to Sergeant in October 2005; to Lieutenant in July 2010; to Captain in July 2014; to Deputy Inspector in May 2018; to Inspector in July 2021 and to Deputy Chief in April 2024. He served as the Operations Commander of Patrol Borough Bronx. Deputy Chief Alps also served as the Commanding Officer of the 49 and 52 Precincts and the Executive Officer of the 40 and 41 Precincts. Deputy Chief Alps holds a Bachelor's degree in Criminal Justice from SUNY Plattsburgh.

Pierre Amiel, R.N., M.P.H., Doctor of Public Health student at NYU School of Global Public Health, is a research scientist and epidemiologist who leverages data and statistics to enhance public health outcomes and holds a Master of Public Health in Statistics, Modeling, and Health Data Science from Sorbonne University in Paris, France. He also has a Bachelor of Science in Health Sciences and a Registered Nursing diploma from Sorbonne University and the French Red Cross Regional Institute for Health and Social Training in Paris, France. Pierre started his professional career working as a Registered Professional Nurse where he acquired experience in clinical care, and patient safety and education. He is currently working as a Syndromic Surveillance Epidemiologist at the New York City Department of Health and Mental Hygiene in the Bureau of Communicable Diseases. There he coordinates daily operations, develops statistical codes, improves the syndromic surveillance systems, provides emergency operational backup, and supports data dissemination across other bureaus and programs at the agency.

Matt Berlin, CEO, NYC School Bus Umbrella Services, is the founding CEO of NYCBUS, a nonprofit school bus company that operates approximately 800 school bus routes across NYC. Under Matt's leadership NYCBUS has become a leader in advancing the transition to electric school busing and focusing on innovation to make the industry safer. Matt has a rich background in NYC transportation. Prior to his work at NYCBUS he worked for the union representing for hire vehicle workers, was the first general manager of the city's Citi Bike program and under Mayor Bloomberg managed the city's school bus operations.

Nana Bonah, Community Coordinator for the Creating Healthy Schools and Communities grant at the Harlem Neighborhood Health, provides capacity building support to worksites and coalition groups in Harlem to establish sustainable healthy practices on physical activity and nutrition standards. She also serves as the grant's data manager ensuring high quality data collection and reporting for the grant.

Katie Burford, Ph.D., is as a Post-Doctoral Fellow the Department of Environmental Health Sciences at Columbia's Mailman School of Public Health. She received her PhD in Epidemiology from the University

of Texas Health Science Center. Her research lays at the intersection of active transportation, injury prevention, urban health, and spatial equity. She is working on a number of projects with her research team at Columbia on the measurement of the built and social environment and how these factors effect vulnerable road users.

Anna Caffarelli, Special Projects Coordinator, Injury and Violence Prevention Program, NYC Department of Health and Mental Hygiene, has more than 20 years of experience in public health programming and policy, and currently works on initiatives to promote traffic safety, prevent falls among older adults, and improve child safety. She serves as a Health Department liaison to New York City's Vision Zero Task Force.

Anna DiGiuseppe is a Policy Advisor at the Mayor's Office of Operations with experience working with transportation, health, and data policy. Her team is responsible for managing and coordinating multiagency initiatives and facilitating citywide initiatives, including the Vision Zero Task Force. Anna is the project manager of the Vision Zero Task Force, leading task force meetings, overseeing annual program initiatives, and collecting and analyzing data from agencies for the monthly dashboard. She also facilitates collaboration with various agencies to develop, implement, and assess success of traffic safety policies. She earned her Master of Public and Urban Policy from the New School and her undergraduate degree from Fordham University.

Ann Marie Doherty, Assistant Commissioner of Research, Implementation & Safety (RIS), Division of Transportation Planning & Management, has been working for the NYC Department of Transportation since 1990 in various roles relating to planning, engineering and safety. Currently, she is managing Research, Implementation & Safety (RIS), a multi-disciplinary team focused on Vision Zero and eliminating fatalities and severe injuries throughout NYC through innovative street redesigns, robust data analytics and research, and policy recommendations. Ms. Doherty is responsible for conducting complex research and safety studies and developing safety programs and projects based upon robust data-driven analysis. She oversees the planning, designing and implementation of street improvement projects and safety programs citywide, including Bus Stops Under the El, Safe Streets for Seniors, Raised Crosswalks, Speed Reducers and School Safety. Her unit also is responsible for the analysis of crash data which is used to target high crash intersections and corridors in need of safety intervention, as well as to inform policy.

Kacie L. Dragan, PhD, MPH, is a postdoctoral research fellow at The Dartmouth Institute for Health Policy and Clinical Practice studying the intersection of health policy and social policy. She has particular expertise in evaluating the health impacts of policies in the housing, urban planning, and child wellbeing sectors, and she also studies the effectiveness of the Medicaid program. She earned her PhD in Health Policy from Harvard University, her Master of Public Health from Columbia University, and her undergraduate degree from Barnard College.

Irene Figueroa-Ortiz is a Senior Policy Advisor in the Office of the Commissioner at the NYC Department of Transportation (DOT), where she spearheads micro-mobility initiatives such as the agency's E-bike Charging Pilot Program and the City's new E-bike Trade-in Program. Currently, her policy work focuses on personally-owned micromobility usage, especially by food delivery workers. Irene earned a dual

master's degree in architecture and urban planning with Distinction from the Harvard University Graduate School of Design and a bachelor's degree in environmental design from the University of Puerto Rico.

Lawrence Fung, MPH, is the Senior Traffic Safety Specialist at the New York City Department of Health and Mental Hygiene (DOHMH) and serves as one of DOHMH's lead representatives for NYC's Vision Zero Traffic Safety Initiative, working closely with sister city agencies, such as the New York City Department of Transportation and the New York City Police Department, to put data into action and to develop traffic safety messaging. He is the lead strategist in the analytic planning for the newly-funded micromobility injury surveillance project. He plans and implements analytic work on a range of salient injury topics including fireworks-related injuries, violence-related injuries, child injury deaths and how injury ranks as a cause of death across ages, borough and race/ethnicity in NYC.

Nathaniel Koszer has been working for DCAS Fleet since 2016. He was first hired as a defensive driving instructor and coordinator for property damage claims that involved City Fleet vehicles. He was promoted into the Fleet Safety Supervisor position in 2020 with the broad goal of managing the day-to-day work of DCAS' Vision Zero agenda. Nate currently manages the collision reporting system utilized by most city agencies for reporting collisions and incidents involving City vehicles. He also oversees many of DCAS Fleet's safety retrofit projects, including the highly publicized pilot of Intelligent Speed Assistance technology. Nate and the Safety team also coordinate the DCAS Fleet portion of Executive Order 39, which requires contracted fleets to undertake new safety procedures and retrofits.

Erin Bersak LaFarge is a passionate transportation safety professional currently serving as Director of Safety Policy at the New York City Department of Transportation where she directs the development and implementation of Vision Zero policies. With 16 years of experience as a prosecutor in the New York County District Attorney's Office, culminating as Deputy Chief of the Vehicular Crimes Unit, she served at the forefront of investigating and prosecuting advanced vehicular crimes and ensuring justice for victims and their families. She has contributed significantly to the Vision Zero initiative, collaborating with various agencies to develop and defend transportation policies aimed at eliminating vehicular deaths. This includes her role in convening a special grand jury to address vehicular violence, resulting in the drafting of the Vehicular Violence Accountability Act. Complementing her professional endeavors, she serves as a Certified Child Passenger Safety Technician and actively participates in community engagement initiatives. Holding a J.D. from Columbia University School of Law and an Executive Masters of Public Administration from New York University, she remains dedicated to advancing Vision Zero policies and enhancing public safety.

Tomomi Landsman, Fleet Safety Analyst, NYC Department of Citywide Administrative Services, works to analyze telematics and collision data to determine safety trends and the effects of safety improvements on the City fleet utilizing her scholastic background in population biology. Tomomi reports on excessive speeding in both the City and NYC school bus fleets in addition to processing and analyzing other key safety metrics. Tomomi is a named coauthor of the DCAS and US DOT Volpe Center's Intelligent Speed Assistance Pilot Evaluation and contributed significantly to the data analysis contained therein. She also assists in coordinating the procedures related to Executive Order 39, which requires specific safety

improvements in certain contractors working with the City. Previously, Tomomi was a middle and high school math teacher.

Nicole Mathias joined the Business Integrity Commission or “BIC” in 2017 and has served as Director of Policy since 2021 where she works with the Commissioner and other senior staff on external policy matters and oversees the Policy Unit including communications, legislative affairs, and intergovernmental affairs. She represents BIC on the Vision Zero Task Force and sits on the Commercial Waste Zones Safety Task Force. Her role also includes collaborating with BIC’s Legal and Investigations units on developing and implementing new agency rules and regulations, liaising with interagency partners on policy initiatives, and leading outreach and engagement efforts for BIC’s regulated industries. She holds a B.A. from Manhattan University (formerly College) in Political Science and an M.A. from John Jay College of Criminal Justice in International Crime and Justice.

Terri Matthews, Director, Town+Gown:NYC, NYC Department of Design and Construction, created the Town+Gown:NYC program, a city-wide built environment research program, to support efforts like the collaborative efforts among practitioners and academics envisioned by the Vision Zero Research on the Road events, which Town+Gown has partnered with Vision Zero since the first event. Vision Zero aims at policy making and operational changes based on applied research results, which is Town+Gown’s core mission. She started out as a public finance law attorney and previously worked in New York City government on public budgeting, public finance, performance measurement and public procurement, all of which influence her current work in the built environment through Town+Gown. Ms. Matthews is a graduate of Boston College and Boston College Law School, and has a Master of Public Administration from NYU Wagner and a Master of Science from NYU Tandon.

Christopher Morrison is an Assistant Professor of Epidemiology at the Columbia University Mailman School of Public Health. He leads the Geospatial and Applied Prevention Science lab within the Columbia Center for Injury Science and Prevention, and his research examines how built and social environments affect injuries. Dr. Morrison holds a Ph.D. in epidemiology from Monash University, Australia.

Ashley Pfaff, MD, FACS, Clinical Assistant Professor of Surgery in the Division of Trauma Surgery and Surgical Critical Care at Bellevue Hospital Center and NYU Langone Health. Before joining NYU and Bellevue, she completed her fellowship training in trauma and surgical critical care at Beth Israel Deaconess Medical Center and Harvard Medical School in Boston, MA in 2022. She completed her residency training in general surgery at Albany Medical Center in 2020, and graduated from Georgetown University School of Medicine with her MD in 2015. In addition to her clinical appointments, Dr. Pfaff’s research interests are in trauma outcomes research with a specific focus on road and traffic injuries, micromobility injuries, and chest trauma.

Catherine Ponte, Senior Freight Planner, NYC DOT, is a transportation planning professional within NYC DOT’s award-winning Freight Mobility unit. Catherine Ponte focuses on cross-cutting planning initiatives where safety and sustainability intersect. These include strategies to address urban freight transportation challenges, efforts to increase industry access to transportation safety resources, and programs aimed at decreasing conflicts between trucks and vulnerable road users. She brings over ten

years of experience as a civil servant dedicated to public engagement and planning for urban quality of life.

Eric Richardson is a Road Safety Advisor at Together for Safer Roads, a global non-governmental organization, is a coalition of purpose-driven companies, city governments, and community stakeholders focused on building cross-sector partnerships that lead to safer fleets and roads. Prior to joining Together for Safer Roads, Mr. Richardson was the Deputy Chief Fleet Management Officer at the Department of Citywide Administrative Services (DCAS)/NYC Fleet, serving as the liaison for DCAS to Mayor Adams' Vision Zero Task Force and working in his role to implement the Vision Zero goals for New York City Fleet including the rollout of a citywide telematics system, the implementation of the Fleet Office of Realtime Tracking (FORT), managing the city's defensive driving program, and administering the New York City Safe Fleet Transition Plan (SFTP).

Ydanis Rodriguez has served as Commissioner of the NYC Department of Transportation since January 1, 2022. As NYC DOT Commissioner, Rodriguez oversees more than 5,500 employees, an annual operating budget of \$1.4 billion, and a 10-year capital budget of \$33 billion. Rodriguez is the first Latino and only the second person of color to serve in the position. Commissioner Rodriguez is delivering on the agency's commitment to reimagine public space, including making New York City the most walkable and bikeable city in the nation. Under his leadership, NYC DOT is focused on equity and bringing government, local communities, the private sector, and academia together to build a better and fairer transportation future. Since becoming Commissioner, Rodriguez has overseen the creation of Dining Out NYC, the nation's largest permanent outdoor dining program, and the dramatic expansion of Summer Streets, which opens select city streets for people to play, walk, and bike across five Saturdays in July and August. This year, Summer Streets featured 20 miles of Open Streets, nearly tripling the initiative's footprint from the prior year and, for the first time, extending it to all five boroughs. Prior to leading NYC DOT, Commissioner Rodriguez served in the New York City Council, where he chaired the Transportation Committee from 2014 to 2021. Before serving in elected office, Commissioner Rodriguez taught in New York City public schools for more than fifteen years. A proud immigrant from the Dominican Republic, Commissioner Rodriguez arrived in New York City at the age of 18. He worked tirelessly -- including as a livery cab driver -- to put himself through City College, where he earned both bachelor's and master's degrees.

Yinzhi Shen., Ph.D., is a senior research scientist at the Institute for Traffic Safety Management & Research at the University at Albany. With two years of experience in traffic safety research, she primarily focuses on drug-impaired driving. Before joining the Institute, she was a postdoctoral research associate at the Office of Population Research at Princeton University.

Catherine Stayton, DrPH, MPH, is the Director of the Injury and Violence Prevention Program at the New York City Department of Health and Mental Hygiene, overseeing the epidemiologic study of injuries and violence and guiding data into action. Through a health equity lens, the program monitors fatal and non-fatal injury and violence in New York City over time and place, identifies populations at risk, disseminates data and provides technical assistance on prevention policies and programming on a broad range of injury topics -- including traffic-related injuries, interpersonal violence, suicide, falls among older adults, and child injuries. With violence and suicide as causes of premature mortality and disparities therein in New York City, the program has advised on the development and dissemination of

the Agency's HealthyNYC Campaign in recent months. On behalf the Health Department, she chairs NYC's Child Fatality Review and Advisory Team, as established by local law 115. Catherine also directs the Health Department's participation in the CDC's National Violent Death Reporting System, and her program is the Health Department's point of contact for the multi-Agency citywide traffic safety initiative, Vision Zero. Her traffic safety team recently was awarded funding from the US Department of Transportation to advance the epidemiologic surveillance of micromobility injuries in NYC. She is an Adjunct Faculty member at the Mailman School of Public Health at Columbia University, and has worked at the intersection of public health and social justice for almost 30 years.

Rob Viola is Director of Safety Research & Policy at the NYC Department of Transportation. He works within the Research, Implementation and Safety (RIS) unit, which identifies, designs and implements safety programs and street improvement projects on NYC's streets, develops safety policy and manages crash data for NYCDOT. RIS is also lead in managing much of the Vision Zero traffic safety agenda at NYCDOT. Rob recently led the 2023 update to the Vision Zero Borough Pedestrian Safety Action Plans and "Pedestrian Safety and Older New Yorkers", a comprehensive study of senior pedestrian injuries and fatalities, released in 2023. He is also lead on NYC's study of daylighting, slated for release in 2024. He also manages the daylighting program, Turn Calming program and speed limit reduction efforts following the release of Sammy's Law, which gave the City the power to lower speed limits to 20MPH via signage. Rob received his B.A. in North American Studies from McGill University and his Urban Planning masters from Columbia University.

Kim Wiley-Schwartz has worked to make communities stronger and safer in New York City for over 30 years. Rooted in a deep educational, direct-service background, Kim began working in traffic safety when a four-year-old boy was killed a block from her home by an SUV driver 15 years ago. For the past 14 years, she has served as the Assistant Commissioner for Education and Outreach at the New York City Department of Transportation where she is considered one of the country's leading experts in Vision Zero strategy and implementation. Kim manages the Safety Education and Outreach unit with a staff of over 35 people who work in over 600 schools, senior centers and community centers each year. She manages many outreach efforts including the distribution of 25K bike helmets and hundreds of car seats annually to families who need them and manages the NYPD/DOT Street Team to bring traffic safety to neighborhoods in high-crash locations. She has been a member of the Vision Zero Task Force since 2014 and she is thrilled to lead the citywide culture change piece of the New York City Vision Zero Initiative. Kim lives in Brooklyn with her husband, public realm expert Andy, and is a proud graduate of Hampshire College.

Geraldine Sweeney is Chief Strategy Advisor at the Mayor's Office of Operations and provides leadership and strategic planning guidance to a wide range of City agencies. She has led large multi-stakeholder teams of City, State, non-profit, philanthropic, and academic institutions to success on a wide range of initiatives. She has helped launch and execute a first-in-the-nation ambitious Vision Zero initiative to address traffic safety, using a data-driven approach to drive down traffic fatalities; helped streamline how over 220,000 small businesses interact with City government by launching Small Business First – saving business owners money and reducing process times for applications; and helped cool our neighborhoods with the ambitious NYC Cool Roofs program. She played an integral role in developing NYC Service, a program that benchmarked a new standard for cities in tapping the spirit of

volunteerism. She implemented the program's signature initiative, NYC Civic Corps program, an outgrowth of AmeriCorps. In response to Hurricane Sandy, Geraldine oversaw the creation of a new \$30 million public/private program to help the most vulnerable families in the hardest hit areas rebuild their homes. The Neighborhood Revitalization NYC program served over 1,494 city residents. Geraldine previously held the position of Senior Associate Commissioner at the New York City Department of Information Technology & Telecommunications (DoITT) where she oversaw the Policy, Planning, and Communications Office. There she guided the agency's strategic direction, innovative projects, and creative partnerships. She led large-scale technology initiatives to make it easier for the public to interact with their government.

Bryan Weber graduated in 2015 with his PhD from the University of Wisconsin- Milwaukee. He spent the last year teaching Econometrics, Industrial Organization, and Introductory Microeconomics at the College of William and Mary. His research interests include transportation, crime, and the intersection of the two. Much of his work on crime, particularly work on terrorism, is done with the support of the START Center at the University of Maryland. At the College of Staten Island, he teaches Behavioral Economics and Introductory Econometrics.

Many thanks to these staff for their support of this event:

Anna DiGiuseppe, NYC Mayor's Office of Operations
Ryan Leighton, NYC Department of Health and Mental Hygiene
Josie Matteson, NYC Department of Health and Mental Hygiene
Daisy Garcia Montiel, NYC Business Integrity Commission
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