

# Xiang Gao, MPH, PhD

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Department of Public Health Education  
University of North Carolina - Greensboro  
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## BIBLIOGRAPHY

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I am a tenure-track Assistant Professor in the Department of Public Health Education at the University of North Carolina Greensboro. My research areas are injury and violence prevention and traffic safety. My research seeks to understand how socioecological factors affect health disparities and equity among vulnerable populations. My research lines cover cardiovascular disease epidemiology in African Americans, driving behavior in emerging adults, and injury and violence prevention in high school students and Asian Americans. My active research investigates the impacts of sociodemographic and health-related factors on intimate partner violence and domestic violence, firearm laws on firearm violence, and Asian Americans' experiences with firearm violence. In addition to being an epidemiologist and public health researcher, I am a pedagogue. I teach Epidemiology and Data Analysis to undergraduates. I also teach Quantitative Methods at the graduate level.

I did my postdoctoral fellowship in the Columbia Center for Injury Science and Prevention in the Department of Epidemiology in the Mailman School of Public Health at Columbia University in the City of New York. During my postdoctoral training, I investigated how firearm laws impact firearm violence and how environmental strategies improve traffic safety and injury violence.

I hold a Ph.D. in Health and Exercise Science from Colorado State University. My doctoral work investigates why emerging adults have risky driving behaviors using the NEXT generation health study, which examines the trajectories of adolescent health and health behaviors through the transition from high school to emerging adulthood in collaboration with the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD).

I got my Master of Public Health in Epidemiology from Indiana University Bloomington. During my master's training, I studied epidemiological cardiovascular disease among African Americans in the Jackson Heart Study, a community-based epidemiologic investigation of environmental and genetic factors associated with cardiovascular disease among African Americans funded by the National Heart, Lung and Blood Institute (NHLB) and the National Institute on Minority Health and Health Disparity (NIMHD).

I have more than seven years of experience in longitudinal data analysis, scientific interpretation of risky behaviors, and data management in public health, epidemiology, and behavioral science. I am proficient in trajectory analysis, categorical data analysis, multinomial data analysis, and moderation/mediation analysis using SAS and R. Besides that, I am also an advocate for advancing Diversity, Equity, Inclusion, and Justice for underrepresented Asian Americans and Pacific Islanders (AAPI) students in academia.

## ACADEMIC APPOINTMENTS/WORK EXPERIENCE

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**Research Affiliate**, Carolina Asian Center, University of North Carolina Chapel Hill, Chapel Hill, North Carolina  
June 2025 - Now

**Faculty Mentor**, McNair Scholars Program, University of North Carolina Greensboro, Greensboro, North Carolina

March 2025 - Now

**Assistant Professor (Tenure-track)**, Department of Public Health Education, University of North Carolina, Greensboro, North Carolina

August 2024 - Now

**Postdoctoral Research Scientist**, Department of Epidemiology, Mailman School of Public Health, Columbia University, New York City, New York

August 2023- August 2024

**Graduate Research/Teaching Assistant**, Department of Health and Exercise Science, Colorado State University, Fort Collins, Colorado

Aug 2019- May 2023

**Postgraduate Fellow**, Department of Emergency Medicine, Developmental Neurocognitive Driving Simulation Research Center (*DrivSim* Lab), Yale University School of Medicine, New Haven, Connecticut

June 2019- Aug 2019

**Volunteer Graduate Researcher**, Department of Epidemiology and Biostatistics, School of Public Health-Bloomington, Indiana University, Indiana

July 2018- May 2019

**Undergraduate Internship**, Nanaping Municipal Center for Disease Control and Prevention, Fujian, China

Dec 2015- July 2017

## EDUCATION

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**Colorado State University**, Fort Collins, Colorado, USA May 2019- August 4<sup>th</sup> 2023

*Doctor of Philosophy in Human Bioenergetics*, GPA=3.911/4.000

**Dissertation:** How Are Teen Licensure, Delay in Driving Licensure, and Driving Exposure Associated with Alcohol and Drug Use, Parental Monitoring Knowledge, Peer Alcohol and Drug Use, and Health, Education, and Employment of Emerging Adults?

<https://mountainscholar.org/items/014a8c14-188e-4526-83d4-b3682976186f>

**Indiana University**, Bloomington, Indiana, USA Aug 2017- May 2019

*Master of Public Health in Epidemiology*, GPA=3.913/4.000

**Independent Research:** C-reactive Protein As A Moderator And Insulin Resistance As A Mediator For The Association Between Endothelin-1 and Glycemic Progression Among African Americans In The Jackson Heart Study, *voted and approved by the Jackson Heart Study Publication and Presentation Subcommittee*

**Fujian Medical University**, Fuzhou, China

Sep 2011- July 2016

*Bachelor of Medicine in Preventive Medicine*

**Honor's Thesis:** Analysis on the efficacy of the antiretroviral therapy of AIDS in MSM in Nanping municipality

## TEACHING EXPERIENCE

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**Instructor**, HEA 315 Epidemiology, Department of Public Health Education, University of North Carolina Greensboro (in-person undergraduate course with an enrollment of 25),  
Aug 2025 – Dec 2025

**Instructor**, HEA 604/704 Quantitative Methods, Department of Public Health Education, University of North Carolina Greensboro (in-person graduate course with an enrollment of 35)  
August 2025 – Dec 2025

**Instructor**, HEA 325 Public Health Data Analysis (in-person undergraduate course), Department of Public Health Education, University of North Carolina Greensboro  
January 2025 – May 2025

**Instructor**, HEA 325 Public Health Data Analysis (asynchronous undergraduate course), Department of Public Health Education, University of North Carolina Greensboro  
January 2025 – May 2025

**Instructor**, HEA 315 Epidemiology (in-person undergraduate course with an enrollment of 15), Department of Public Health Education, University of North Carolina Greensboro  
Aug 2024 – Dec 2024

**Instructor**, HEA 604/704 Quantitative Methods (in-person graduate course with an enrollment of 34), Department of Public Health Education, University of North Carolina Greensboro  
August 24 – Dec 2024

**Instructor (Supervised College Teaching)**, HES 145 Health and Wellness (in-person undergraduate course with an enrollment of 150), Department of Health and Exercise Science, Colorado State University  
Aug 2022- Dec 2022

**Graduate Teaching Assistant**, HES 207 Anatomical Kinesiology (in-person undergraduate course with an enrollment of 45), Department of Health and Exercise Science, Colorado State University  
Aug 2022- Dec 2022

**Graduate Teaching Assistant**, HES 486/487 Practicum-Wellness Program Management/Internship (undergraduate course with an enrollment of 30), Department of Health and Exercise Science, Colorado State University  
Aug 2022- Dec 2022

**Graduate Teaching Assistant**, HES 145 Health and Wellness (undergraduate course with an enrollment of 150), Department of Health and Exercise Science, Colorado State University  
Aug 2022- Dec 2022

## RESEARCH INTERESTS

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UNC-G Health and Human Sciences Office of Research-funded internal grant on Asian Americans' Experiences with Violence: Exploring the Connection to Mental Health  
**Role:** PI

CDC-funded Columbia Center for Injury Science and Prevention studies, including studies of environmental strategies to prevent community gun violence, school gun violence, opioid overdose, alcohol-related injury, road traffic crashes, and other injuries **Role:** Postdoctoral Research Scientist

Driving disparity among emerging adults in the NEXT Generation Health Study in collaboration with Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) of the National Institutes of Health  
**Role:** Research Associate/Biostatistician

Cardiovascular epidemiology in the Jackson Heart Study supported by the National Heart, Lung, and Blood Institute (NHLBI) and the National Institute on Minority Health and Health Disparity (NIMHD) of the National Institutes of Health

**Role:** Research Associate/Biostatistician

## HONORS AND AWARDS (10)

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FY25 (Internal Funding), \$5000, Health and Human Sciences Faculty Research Grant, University of North Carolina Greensboro. Asian Americans' Experiences with Violence: Exploring the Connection to Mental Health, UNC Greensboro

First-place paper with \$1000 in the inaugural New York City Vision City competition for the study "Physical environment roadway interventions and injury and death for vulnerable road users: a natural experiment in NYC."

- Roberts, L., Bushover, B., Mehranbod, C.A., Gobaud, A.N., Fish, C., Eschliman, E.L., **Gao, X.**, Zadey, S., & Morrison, C.N. (2024). Physical environmental roadway interventions and injury and death for vulnerable road users: a natural experiment in New York City. *Injury Prevention*. DOI: [10.1136/ip-2023-045219](https://doi.org/10.1136/ip-2023-045219)

Scholar's Travel Fund (STF) with \$750, Office of Research & Engagement, School of Health and Human Sciences, University of North Carolina – Greensboro

- The Scholars' Travel Fund (STF) provides full-time tenured or tenure-track faculty with supplemental travel funds to support the presentation of their research, scholarship, or creative activity; to serve as chairpersons; to participate as panelists; or to contribute in other appropriate manners at scholarly meetings in the USA, Mexico, or Canada. Faculty can apply for up to \$750 per academic year (with a \$375 match). The principal aim of the Scholars' Travel Fund is to promote research and scholarship.

Robert W. Gotshall Graduate Scholarship with \$2,904, College of Health and Human Sciences, Colorado State University, April 2022

- To support a current graduate student conducting vital biomedical research, which has immediate and lasting benefits of human health

Graduate Student Council Travel Grant with \$500 (the highest tier), Graduate Student Council, Colorado State University, April 2022

- To support graduate students who will be presenting their work at a conference and provide partial funding for conference travel-related expenses

Dr. Sally J. Phillips Graduate Student Travel Award with \$600, the Research Enhancement Committee at Health and Exercise Science, Colorado State University, January 2022

- To support students enrolled in the Department of Health and Exercise Science within the College of Health and Human Sciences at Colorado State University for the expenditures from the fund for travel expenses and conference fees to attend and present academic papers and/or posters at national or international academic conferences

Graduate Student Council Professional Development and Supply with \$100, Graduate Student Council, Colorado State University, November 2021

- To help fund graduate students attending professional development opportunities (such as workshops, training, and seminars) as well as to help fund supplies needed to complete research, work efficiently, or teach successfully

A Fellowship for the 2019-2020 academic year with \$1,300 Fall 2019 and \$1,300 Spring 2020, Health and Exercise Science, Colorado State University, August 2019

- Awarded to the outstanding doctoral student based on academic merits

Full tuition \$25,040/academic year and a stipend \$2,236/month for the 9 months of the academic year with a four-year period, Health and Exercise Science, Colorado State University, April 2019

- Awarded to the outstanding doctoral student based on academic merits

Excellent Graduation Thesis Award, School of Public Health, Fujian Medical University, China, July 2016

- Awarded to an undergraduate student for outstanding thesis research

## ACADEMIC SERVICE

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**Judge**, Internship showcase, Department of Public Health Education, UNCG

April 27, 2025

**Ambassador**, Department of Public Health Education, UNCG Spring Open House

April 26, 2025

**Volunteer search committee**, Health and Human Sciences Office of Research Methodologist candidate interview, University of North Carolina, Greensboro, North Carolina

September 10, 2024

September 13, 2024

September 16, 2024

September 20, 2024

**Committee Member**, Undergraduate Program Committee, Department of Public Health Education, University of North Carolina, Greensboro, North Carolina

August 2024 - Now

**Committee Member**, Diversity, Equity, Inclusion, and Justice, Department of Health and Exercise Science, Colorado State University, Fort Collins, Colorado

Feb 2022- May 2023

### ***Journal Reviewer (ad hoc) (34)***

European Journal of Psychotraumatology (1)

BMC Geriatrics (1)

American College of Preventive Medicine FOCUS (2)

Sleep and Breathing (1)

Alcohol and Drug Dependence (1)

Nature and Science of Sleep (1)

PLoS ONE (1)

Clinical Endocrinology and Metabolism (JCEM) (1)

Journal of American Heart Association (JAHA) (1)

Case Studies on Transport Policy (1)

Journal of Adolescent Health (JAH) (1)

Endocrine, Metabolic & Immune Disorders – Drug Targets (EMIDDT) (1)

Frontiers (1)

Medicine & Science in Sports & Exercise (MSSE) (1)

International Journal of Mental Health and Addiction (IJMH) (18)

Journal of Studies on Alcohol and Drugs (JSAD) (1)

### **National Conference Abstract Reviewer (ad hoc)**

National Research Conference for the Prevention of Firearm-related Harms (2025) (20 abstracts)

Society of Advancement Violence Injury Research (2024) (20 abstracts)

### ***Institutional Review Boards***

Protocol # AAAV0223, approved by the Columbia University | Rascal Institutional Review Boards. “Exposure to community violence using YRBSS public dataset.” **Postdoctoral Research Scientist**, 1/5/2024

Protocol # 19-9689H, approved by the Colorado State University Institutional Review Boards. “The Association of Endothelin-1 Level with Incident Type 2 Diabetes Mellitus and their Interactions/Mediators among African Americans in the Jackson Heart Study.” **Doctoral Student Investigator**, 2/18/2020

**Volunteer as a JUDGE at Colorado State University**

- College of Health and Human Sciences (CHHS) Research Day
- Multicultural Undergraduate Research, Art & Leadership Symposium (MURALS)
- 2023 Women in Science Symposium “Multicultural Aspects of One Health”

**Volunteer as a reviewer for the national conference**

- Society for Advancement of Violence and Injury Research (SAVIR) – 2023 & 2024

## PROFESSIONAL ORGANIZATION MEMBERSHIPS

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American Sociological Association (ASA)

American Heart Association (AHA)

Association for the Advancement of Automotive Medicine (AAAM)

American Public Health Association (APHA)

Society of Behavioral Medicine (SBM)

National Research Conference for the Prevention of Firearm-Related Harms

Society for Advancement of Violence and Injury Research (SAVIR)

## GRANT SUPPORT

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### Pending Support

NIH Director’s Innovator Award (DP2). *Transforming Racialized Data to Actionable Deliverables: Advancing Asian American Youth Health and Well-being*, (\$2,375,000). (**Role**: PI).

### Current Support

FY25 (Internal Funding), Health and Human Sciences Faculty Research Grant, University of North Carolina Greensboro. *Asian Americans’ Experiences with Violence: Exploring the Connection to Mental Health*, March 2025 – August 2025 (\$5,000). (**Role**: PI).

### Past Support

R49 CE003094, National Center for Injury Prevention and Control, NIH. *The Columbia Center for Injury Science and Prevention*. 07/08/2019 – 07/31/2024 (\$828,763 (T)). (PI: Branas, **Role**: Postdoctoral Research Scientist)

R01 AA029112, National Institute on Alcohol Abuse and Alcoholism of the National Institutes of Health, NIH. *Impacts of Subsidized Ridesharing on Drunk Driving, Alcohol Consumption, and Mobility*. 05/21/2021 – 03/31/2026 (\$416,664 (D)/\$667,722(T)). (PI: Morrison, **Role**: Postdoctoral Research Scientist)

R01 AA026313, National Institute on Alcohol Abuse and Alcoholism of the National Institutes of Health, NIH. *Trajectory Outcomes of Teens that Ride with Impaired Drivers & Drive Impaired*. 08/31/2022 – 08/31/2023 (\$412,082 (D)/\$484,837 (T)). (PI: Vaca, **Role**: Research Associate)



R21AA026346, National Institute on Alcohol Abuse and Alcoholism of the National Institutes of Health, NIH. *Delaying Licensure: Latino Teens Riding with Impaired Drivers and Impaired Driving*. 08/12/2019 – 08/31/2022 (\$201,191 (D)/\$234,410 (T)). (PI: Vaca, **Role:** Research Associate)

Subcontract on HHSN275201200001I, the Intramural Research Program of the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development; the National Heart, Lung, and Blood Institute; the National Institute on Alcohol Abuse and Alcoholism; the National Institute on Drug Abuse; and the Maternal and Child Health Bureau of the Health Resources and Services Administration. (**Role:** Research Associate)

Subcontracts on HHSN268201800013I (Jackson State University), HHSN268201800014I (Tougaloo College), HHSN268201800015I (the Mississippi State Department of Health), HHSN268201800010I, HHSN268201800011I and HHSN268201800012I (the University of Mississippi Medical Center), from the National Heart, Lung, and Blood Institute (NHLBI) and the National Institute for Minority Health and Health Disparities (NIMHD). (**Role:** Research Associate)

### Unfunded

William T. Grant Scholars Program. *Using Evidence-based Research to Advance Policy, Community Action, and Equity for Asian American Youth*. (\$423,823). (**Role:** PI)

Weyerhaeuser Family Foundation Youth Initiative. *Trauma-Informed Support Program for Youth with ACEs*. (\$29,789). (**Role:** PI).

Carolina Asian Center – Institute of Arts and Humanities Fellowship. *Research Connection to Asia – “Asian Americans’ Experiences with Violence and Mental Health*. (\$5,000) (**Role:** PI).

## MEDIA REPORTS

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Zadey, S., Roberts, L.E., Bushover, B., Gobaud, A.N., Mehranbod, C.A., Fish, C.S., Eschliman, E.L., **Gao, X.**, Goin, D.E., and Morrison, C.N., 2025. Effectiveness of leading pedestrian intervals for city walkers’ safety. *Nature Cities*, 2(7), pp.608-612.

“More Time at Intersections Saves Walkers’ Lives, New Study Shows” – [Forbes](#)

“Seven Seconds Can Protect Pedestrians At Intersections” – [U.S. News & World Report](#)

“New York City intersections see one-third fewer pedestrian injuries with longer head-start intervals” – [Phys.Org](#)

“New York City intersections see one-third fewer pedestrian injuries with longer head-start intervals” – [EurekAlert! Columbia University’s press office](#)

“Pedestrian head start at intersections slashes injuries, study finds” – [ConsumerAffairs](#)

“HMN 2025: How New York City intersections see one-third fewer pedestrian accidents with longer head-start intervals” – [Health Medicine Network](#)

“Head-Start Intervals Cut Pedestrian Injuries in NYC” – [Mirage News](#)

“Seven Seconds Can Protect Pedestrians At Intersections” – [Drugs.com Health Day](#)

“Los intervalos peatonales de 7 segundos reducen un 33% los accidentes en Nueva York” – [LaRepublica.es](#)

Roberts, L., Mehranbod, C.A., Bushover, B., Gobaud, A.N., Eschliman, E.L., Fish, C., Zadey, S., Gao, X., & Morrison, C.N. (2024). Trends in New York City Transit Police complaints and arrests, 2018 to 2023: An interrupted time-series analysis. *Injury Epidemiology*. DOI: 10.1101/2024.05.03.24306847

*“Uptick in NYC transit assault rate during COVID pandemic; has not returned to pre-pandemic levels despite subway safety plan Anxieties related to crime on New York City transit rose following NYC’s COVID-19 pandemic state of emergency declaration in 2020” – [EurekAlert!](#)*

*“NYC Transit Assaults Surge Amid Pandemic, Safety Plan Fails” – [Mirage News](#)*

*“Uptick in New York transit assault rate during pandemic has not returned to pre-pandemic levels despite safety plan” – [MedicalXpress](#)*

*“Uptick in NYC transit assault rate during COVID pandemic; has not returned” – [ScienMag](#)*

*“Uptick in New York transit assault rate during pandemic has not returned to pre-pandemic levels despite safety plan” – [MSN](#)*

*“NYC Transit Complaints Persist Despite Subway Safety Plan” – [Mirage News](#)*

*“Uptick in New York transit assault rate during pandemic has not returned to pre-pandemic levels despite safety plan” – [Health Medicine Network](#)*

## MENTORING SERVICES

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### ***McNair Scholars Supervising***

Taylia Burey	Undergraduate student in Biology, University of North Carolina Greensboro
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### ***Master of Public Health Students Supervising***

Wesley Alderman	MPH student in the Department of Public Health Education, University of North Carolina Greensboro, 2026 cohort
Sheneka Foskey	MPH student in the Department of Public Health Education, University of North Carolina Greensboro, 2026 cohort

### ***Undergraduates of Public Health Students Supervising***

Dayana Torres Rosales	Undergraduate student in Community Health Education in the Department of Public Health Education, University of North Carolina Greensboro, 2027 Spring cohort
Alia Osman	Undergraduate student in Community Health Education in the Department of Public Health Education, University of North Carolina Greensboro, 2027 Spring cohort
Tabitha Henderson	Undergraduate student in Health Studies in the Department of Public Health Education, University of North Carolina Greensboro, 2026 Spring cohort
Morgan Pollcok	Undergraduate student in Health Studies in the Department of Public Health Education, University of North Carolina Greensboro, 2027 Spring cohort
Kaitlyn Shelton	Undergraduate student in Community Health Education in the Department of Public Health Education, University of North Carolina Greensboro, 2024 Fall cohort
Amber Acosta	Undergraduate student in Health Studies in the Department of Public Health Education, University of North Carolina Greensboro, 2025 Spring cohort



Christian Capra	Undergraduate student in Health Studies in the Department of Public Health Education, University of North Carolina Greensboro, 2025 Spring cohort
Jayda Hatchell	Undergraduate student in Community Health Education in the Department of Public Health Education, University of North Carolina Greensboro, 2025 Spring cohort
Lafragia Mcmillan	Undergraduate student in Health Studies in the Department of Public Health Education, University of North Carolina Greensboro, 2027 Spring cohort
Evelyn Mejia-Martinez	Undergraduate student in Community Health Education in the Department of Public Health Education, University of North Carolina Greensboro, 2025 Spring cohort
Mya Simmons	Undergraduate student in Community Health Education in the Department of Public Health Education, University of North Carolina Greensboro, 2025 Spring cohort
Jazmine Thigpen	Undergraduate student in Health Studies in the Department of Public Health Education, University of North Carolina Greensboro, 2026 Spring cohort

### ***Fieldwork/Practicum Supervising***

Carolyn S. Fish	MPH practicum: State-level trends in gun ownership in the United States, 1949-2020, Columbia University Mailman School of Public Health, May 2024.
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## **INVITED TALKS**

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The University of Mississippi, Oxford, Mississippi Title: “ <i>Introduction to Epidemiology</i> ”	March 7, 2024
The University of Mississippi, Oxford, Mississippi Title: “ <i>Community violence among youth: Exploring the role of neighborhood characteristics</i> ”	March 7, 2024
University of North Carolina at Greensboro, Greensboro, North Carolina Title: “ <i>Introduction to Epidemiology</i> ”	February 27, 2024
University of North Carolina at Greensboro, Greensboro, North Carolina Title: “ <i>Community violence among youth: Exploring the role of neighborhood characteristics</i> ”	February 28, 2024
Nationwide Children’s Hospital, Columbus, Ohio Title: “ <i>The Impact of Teen Drivers on the Road: Risks vs. Benefits</i> ”	March 17, 2023
University of Colorado Anschutz Medical Campus, Aurora, Colorado Title: “ <i>Can research interests be changed through graduate study?</i> ”	December 2, 2022

## **PUBLICATIONS**

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### ***Peer-Review Research Publications (19)***

**Gao X\***, Horbal RS, Burford K, Bidulescu A. (2025). Alcohol Use Mediates the Association between Sexual Dating Violence Victimization and Attempted Suicide. *American Journal of Preventive Medicine*. DOI: [10.1016/j.amepre.2025.107663](https://doi.org/10.1016/j.amepre.2025.107663)

Zadey, S., Roberts, L., Bushover, B., Gobaud, A.N., Mehranbod, C., Fish, C., Eschliman, E., **Gao, X.**, Goin, D., & Morrison, C.N. (2025). Effectiveness of Leading Pedestrian Intervals for Pedestrian Safety in New York City. *Nature Cities*. DOI: <https://doi.org/10.1038/s44284-025-00267-1>

Bushover B, Kim A, Mehranbod CA, Roberts LE, Gobaud AN, Eschliman EL, Fish C, **Gao X**, Zadey S, Goin DE, Morrison CN. The association between street construction projects and community violence in New York City. *Journal of Urban Health*. 2025 Jan 3:1-0. DOI: <https://doi.org/10.1007/s11524-024-00946-9>

Siddiqui S, **Gao X\***. (2024) Housing Instability and Concerns about Firearm Victimization among Asian Americans. *Injury Prevention*. DOI: <https://doi.org/10.1136/ip-2024-045443>

Bushover, B., Mehranbod, C.A., Roberts, L., Gobaud, A.N., Fish, C., **Gao, X.**, Zadey, S., & Morrison, C.N. (2024). Temperature and firearm violence in four US cities: Testing competing hypotheses. *Injury Prevention*. DOI: [10.1136/ip-2024-045248](https://doi.org/10.1136/ip-2024-045248)

Roberts, L., Bushover, B., Mehranbod, C.A., Gobaud, A.N., Fish, C., Eschliman, E.L., **Gao, X.**, Zadey, S., & Morrison, C.N. (2024). Physical environmental roadway interventions and injury and death for vulnerable road users: a natural experiment in New York City. *Injury Prevention*. DOI: [10.1136/ip-2023-045219](https://doi.org/10.1136/ip-2023-045219)

Roberts, L., Mehranbod, C.A., Bushover, B., Gobaud, A.N., Eschliman, E.L., Fish, C., Zadey, S., **Gao, X.**, & Morrison, C.N. (2024). Trends in New York City Transit Police complaints and arrests, 2018 to 2023: An interrupted time-series analysis. *Injury Epidemiology*. DOI: 10.1101/2024.05.03.24306847

**Gao, X.\***. (2023). Driving behaviors and related factors on emerging adults: a narrative review. *Discover Psychology*. DOI: [10.1007/s44202-023-00090-6](https://doi.org/10.1007/s44202-023-00090-6)

**Gao, X.\***, Horbal, S.R., Kaze, A.D., Fan, H., Su, Le., Musani, S.K., Fox, E.R., Zoh, R., Echouffo-Tcheugui, J.B., & Bidulescu, A. (2022). C-reactive Protein as a Moderator and Insulin Resistance as a Mediator for the Association between Endothelin-1 and Glycemic Progression among African Americans: Jackson Heart Study. *Obesity Medicine*. DOI: [10.1016/j.obmed.2022.100435](https://doi.org/10.1016/j.obmed.2022.100435)

**Gao, X.\***, Vaca, F.E., Haynie, D., Simons-Morton, B., & Li, K. (2022). Is delayed driving licensure associated with emerging adult health, education, and employment? *Journal of Adolescent Health*. DOI: [10.1016/j.jadohealth.2022.01.128](https://doi.org/10.1016/j.jadohealth.2022.01.128)

Vaca, F.E., Li, K., Haynie, D., **Gao, X.**, Camena, D.R., Dziura, J., Banz, B., McDonald, R., Iannotti, R., & Simons-Morton, B. (2022). Trajectories and Outcomes of Adolescents that Ride with an Impaired Driver/Drive while Impaired. *Journal of Transport & Health*. DOI: [10.1016/j.jth.2021.101303](https://doi.org/10.1016/j.jth.2021.101303)

Kaze, A.D., **Gao, X.**, Musani, S.K., Bidulescu, A., Bertoni, A.G., Abdalla, M., & Echouffo-Tcheugui, J.B. (2022). Association of Plasma Endothelin-1 with Blood Pressure Progression Among Blacks: The Jackson Heart Study. *American Heart Journal* 246, 144-151. DOI: [10.1016/j.ahj.2021.12.016](https://doi.org/10.1016/j.ahj.2021.12.016)

**Gao, X.\***, Vaca, F.E., Haynie, D., Simons-Morton, B., & Li, K. (2021). Trajectories of Risky Driving Among Emerging Adults with their Mental and Psychosomatic Health Predictors in the 12<sup>th</sup> Grade. *Traffic Injury Prevention*. DOI: [10.1080/15389588.2021.1949003](https://doi.org/10.1080/15389588.2021.1949003)

Vaca, F.E., Li, K., **Gao, X.**, Zagnoli, K., Wang, H., Haynie, D., Fell, J.C., Simons-Morton, B., & Romano, E. (2021). Time to Licensure for Driving among U.S. Teens: Survival Analysis of Interval-Censored Survey Data. *Traffic Injury Prevention*. DOI: [10.1080/15389588.2021.1939871](https://doi.org/10.1080/15389588.2021.1939871)

Vaca, F.E., Li, K., Haynie, D., **Gao, X.**, Camena, D.R., Dziura, J., Banz, B., McDonald, R., Iannotti, R., & Simons-Morton, B. (2021). Riding With an Impaired Driver and Driving While Impaired Among Adolescents: Longitudinal Trajectories and their Characteristics. *Traffic Injury Prevention*. 22(5), 337-342. DOI: [10.1080/15389588.2021.1910244](https://doi.org/10.1080/15389588.2021.1910244)

Li, K., Haynie, D., **Gao, X.**, Lipsky, L.M., Nansel, T.R., Iannotti, R.J., Vaca, F.E., & Simons-Morton B. (2021). Validation of a Continuous Measure of Cardiometabolic Risk among Adolescents. *Journal of Pediatric Endocrinology and Metabolism*. 34(6), 763-770. DOI: [10.1515/jpem-2020-0600](https://doi.org/10.1515/jpem-2020-0600)

Fan, Hao., **Gao, X.**, Wang, H., Idomir, M., Rogozea, L., Cazan, A., Bidulescu, A., & Badea, M (2020). Disparities of Perceived Wellness by Smoking and Professional Status Among Young Individuals in Brasov, Brasov County, Romania. *Sage Open Medicine*, 8, 2050312120973483. DOI: [10.1177/2050312120973483](https://doi.org/10.1177/2050312120973483)

Green, W., **Gao, X.**, Li, K., Banz, C.B., Wu, Jia., Crowley, M., Camenga, D., Vaca, E.F. (2020). The Association of Sleep Hygiene and Drowsiness with Adverse Driving Events in Emergency Residents. *Western Journal of Emergency Medicine*. 21(6), 219. DOI: [10.5811/westjem.2020.8.47357](https://doi.org/10.5811/westjem.2020.8.47357)

Jiang, X., & **Gao, X.** (2017). Analysis on the efficacy of the antiretroviral therapy of AIDS in MSM in Nanping municipality. *Strait Journal of Preventive Medicine*. 23(6), 97-98. (in Chinese) (Manuscript is available upon request)

### **Correspondences (15)**

**Gao, X.\***, Liu, J., & Bidulescu, A. (2021). Discrimination Associated with Metabolic Syndrome among African Americans from the Jackson Heart Study. *Austin J Obes & Metab Synd*. 2021; 5(1): 1025. DOI: [10.26420/austinjobesmetabsynd.2021.1025](https://doi.org/10.26420/austinjobesmetabsynd.2021.1025)

**Gao, X.\***, & Bidulescu, A. (2021). A Qualitative Research of Perception Investigations in Caregivers Under the COVID-19 Pandemic. *Austin J Public Health Epidemiol*. 2021; 8(2): 1101. DOI: [10.26420/austinjpublichealthepidemiol.2021.1101](https://doi.org/10.26420/austinjpublichealthepidemiol.2021.1101)

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**Gao, X.\***, Deming, N.J., & Cavalier, A.N. (2021). Cancer Perceptions Among Smokeless Tobacco Users: A Qualitative Study of US Firefighters. *Safety and Health at Work*. 12(2): 282. DOI: [10.1016/j.shaw.2021.01.002](https://doi.org/10.1016/j.shaw.2021.01.002)

**Gao, X.\***, Deming, N.J., Moore, K., & Cavalier, A.N. (2020). Implications for Gambling Prevention Strategies in Firefighters. *J Public Health Emerg* 2020;4:40. DOI: [10.21037/jphe-20-61](https://doi.org/10.21037/jphe-20-61)

**Gao, X.\***, Dibaba, D. T., & Bidulescu, A. (2020). Socioeconomic Status in Relation to Metabolic Syndrome from the Jackson Heart Study. *Psychoneuroendocrinology*, 104833-104833. DOI: [10.1016/j.psyneuen.2020.104833](https://doi.org/10.1016/j.psyneuen.2020.104833)

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**Gao, X.\***, Niculescu, M.D., & Bidulescu, A. (2020). Lifestyle Interventions on Weight Loss Among Metabolically Healthy Obese Women. *Clinical Nutrition*. 39(10), 3209-3210. DOI: [10.1016/j.clnu.2020.07.020](https://doi.org/10.1016/j.clnu.2020.07.020)

Deming, N.J., Moore, K., **Gao, X.**, & Alam, T. (2020). In response to Indices of Physiological Strain for Firefighters of the Australian Defence Forces. *Journal of Occupational and Environmental Hygiene*, 1-2. DOI: [10.1080/15459624.2020.1772976](https://doi.org/10.1080/15459624.2020.1772976)

**Gao, X.\***, Wang, H., & Bidulescu, A. (2020). Lifestyle interventions along with vitamin D supplements on reducing leptinemia in obese man. *International Journal of Obesity*, 1-2. DOI: [10.1038/s41366-020-0599-2](https://doi.org/10.1038/s41366-020-0599-2)

**Gao, X.\***, Deming, N.J., Moore, K., & Alam, T. (2020). Cardiorespiratory Fitness Decline in Aging Firefighters. *American Journal of Public Health*, 110(5):e1. DOI: [10.2105/ajph.2020.305599](https://doi.org/10.2105/ajph.2020.305599)

**Gao, X.\***, Deming, N.J., & Moore, K. (2020). Tobacco Use in Female Firefighters. *Journal of Public Health and Emergency*, 2020;4:14. DOI: [10.21037/jphe-20-30](https://doi.org/10.21037/jphe-20-30)

**Gao, X.\***, Deming, N.J., Alam, T., & Moore, K. (2020). Letter to the Editor: Sleep, Obesity, and Injury Among Male Firefighters. *Journal of Occupational and Environmental Medicine*, 62(6), e289. DOI: [10.1080/15459624.2020.1772976](https://doi.org/10.1080/15459624.2020.1772976)

**Gao, X.\***, Smiley, A., & Bidulescu, A. (2020). Letter to the editor: Snoring and Incident Cardiovascular Disease in the Jackson Heart Study. *Sleep and Breathing*. DOI: [10.1007/s11325-020-02043-y](https://doi.org/10.1007/s11325-020-02043-y)

**Gao, X.\***, Horbal, S.R., & Bidulescu, A. (2020). Socioeconomic Status and Hypertension in African American from the Jackson Heart Study. *American Journal of Hypertension*. DOI: [10.1093/ajh/hpaa043](https://doi.org/10.1093/ajh/hpaa043)

### **Manuscript Proposals (2)**

Kaze, A.D., **Gao, X.**, Musani, S.K., Bidulescu, A., Bertoni, A.G., Abdalla, M., & Echouffo-Tcheugui, J.B. (2021). Association of Plasma Endothelin-1 with Blood Pressure Progression Among Blacks: The Jackson Heart Study. *Manuscript Proposal Accepted and Approved by the Jackson Heart Study Publications and Presentations Subcommittee* (PID: P1495) <https://www.jacksonheartstudy.org/Research/Publications/-Proposal-List>

**Gao, X.\***, Musani, K.S., Fox, E., Zoh, R., Fan, H., Horbal, S.R., Su, L., Bidulescu, A. (2019). The Association between Endothelin-1 levels and incident Type 2 Diabetes Mellitus with their modification/mediation among African Americans in the Jackson Heart Study. *Manuscript Proposal Accepted and Approved by the Jackson Heart Study Publications and Presentations Subcommittee* (PID: P1194) <https://www.jacksonheartstudy.org/Research/Publications/-Proposal-List>

### **Conference Abstracts (5)**

**Gao, X.\***, Vaca, F.E., Haynie, D.L., Simons-Morton, B., & Li, K. (2022, April). Are adolescent Depressive and Psychosomatic Health Associated with Emerging Adult Health, Education, and Employment?. In *ANNUAL OF BEHAVIORAL MEDICINE* (Vol. 56, No. SUPP 1, pp. S48-48). JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA: OXFORD UNIV PRESS INC.

**Gao, X.\***, Vaca, F.E., Haynie, D.L., Simons-Morton, B., & Li, K. (2021). Associations of Delaying in Driving Licensure among Adolescents with Their Health, Education, and Employment 4 Years after High School. *APHA 2021 Annual Meeting and Expo*.

Vaca, F.E., Li, K., **Gao, X.**, Zagnoli, K., Wang, H., Haynie, D. L., ... & Romano, E. (2021, April). Delayed Driving Licensure Among US Teens: Survival Analysis of Interval-Censored Survey Data. In *ANNALS OF BEHAVIORAL MEDICINE* (Vol. 55, pp. S131-S131). JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA: OXFORD UNIV PRESS INC.

**Gao, X.\***, Horbal, S.R., Fan, H., Su, L., Musani, S.K., Fox, E.R., Kaze, A.D., Zoh, R.S., Echouffo-Tcheugui, J., Bidulescu, A. (2021). C-reactive Protein As A Moderator And Insulin Resistance As A Mediator For The Association Between Endothelin-1 And Type 2 Diabetes Progression Among African Americans In The Jackson Heart Study. *Circulation 143 (Suppl\_1), A020-A020. (EPI/Lifestyle 2021*

Scientific Sessions affiliated with American Heart Association, Virtual) DOI: [10.1161/circ.143.suppl\\_1.020](https://doi.org/10.1161/circ.143.suppl_1.020)

Fan, H., ArdeshirRouhandiFrad, S., **Gao, X.**, Musani, K.S., Fox, E., Curtis, L., Correa, A., O'Brien, E., & Bidulescu, A. (2019). Sex-Specific Association of Plasma Endothelin-1 with Incidence of Stroke in African Americans: the Jackson Heart Study. *Circulation* 139 (Suppl\_1), AP404-AP404 (EPI|Lifestyle 2019 Scientific Sessions affiliated with American Heart Association in Huston, Texas, US) DOI: [10.1161/circ.139.suppl\\_1.p404](https://doi.org/10.1161/circ.139.suppl_1.p404)

### **Pre-print (1)**

Zadey, S., Roberts, L., Bushover, B., Gobaud, A.N., Mehranbod, C., Fish, C., Eschliman, E., **Gao, X.**, Goin, D., & Morrison, C.N. (2024). Effectiveness of Leading Pedestrian Intervals for Pedestrian Safety in New York City. DOI: <https://doi.org/10.1101/2024.05.03.24306847>

## **UNDER REVIEW**

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### **Peer-Review Research Publications (6)**

(Manuscripts are available upon request)

**Gao X\*** (2025) The Moderating Role of School Connectedness with Neighborhood Disadvantage on Associations between Witnessing Community Violence and Gun Carrying among High School Students: Multilevel Measures. *Public Health* (1<sup>st</sup> Submission)

**Gao X\*** (2025) Association between alcohol or drug use before sex and sexual dating violence among youths and their interactions with mental health during the pandemic. *International Journal of Behavioral Medicine* (1<sup>st</sup> Submission)

**Gao X\*** (2025) Social support as a moderator on the association between adverse childhood experience domains and unsafe firearm storage. *Child Protection and Practice* (1<sup>st</sup> Submission)

**Gao X\***, Siddiqui S. (2025) Exposure to Neighborhood Violence and School Absences among Asian American Youths. *Violence and Victims* (1<sup>st</sup> Submission)

**Gao X\***, Siddiqui S. (2025) Neighborhood Social Cohesion and Psychological Distress among Older Asian Americans in California. *Asian American Journal of Psychology* (Revised and Resubmission)

**Gao X\***, Horbal RS, Bidulescu A. (2025) Mental Health and Sexual Dating Violence Victimization among U.S. High School Students during the COVID-19 Pandemic: Results from 2021 National Combined Youth Risk Behavior Surveillance Surveys. *AJPM Focus* (1<sup>st</sup> Submission)

## **ARCHIVE WORKS**

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### **Peer-Review Research Articles (11)**

(Drafts are available upon request)

**Gao X\***, & Morrison, CN. (2025). State Firearm Laws and Firearm Safety Practices.

**Gao, X.\***, Roberts, L., Mehranbod, C., Fish, C., Bushover, B., Eschliman, E., Zadey, S., & Morrison, C.N. (2025). Association between Child Access Prevention Laws and Weapon Carrying at School among U.S. High School Students.

**Gao X.\*** (2024). Background Check Laws and Gun Carrying among U.S. high school students



**Gao, X.\*,** Rajan, S., & Morrison, CN. (2024). Associations of Exposure to Community Violence with Youth Risk Behaviors and Their Interactions with Neighborhood Characteristics

**Gao, X.\*,** Esie, P.\*, Theall, K., & Branas, C. (2024). Community-level factors and firearm injuries: A scoping review.

**Gao, X.\*,** Vaca, F.E., Haynie, D., Sharp, J., Henry, K.L., Simons-Morton, B., & Li, K. (2023). Are depressive symptom trajectories associated with emerging adult health, education, and employment?

**Gao, X.\*** (2023). Are teen licensure, delay in driving licensure, and driving frequency associated with alcohol and binge drinking in emerging adulthood?

**Gao, X.\*** (2023). Associations of teen licensure, delay in driving licensure, and driving frequency trajectories with peer alcohol and drug use and parental monitoring knowledge.

**Gao, X.\*** (2023). Are teen licensure and driving frequency trajectories associated with early adult self-report overall physical health, education, and employment?

Bhurosy, T., Baldino, A., **Gao, X.,** & Heckman C.J. (2022). The need for medical nutrition therapy among colorectal cancer patients: An analysis of electronic medical records.

Kaze, A.D. \*, **Gao, X. \***, Musani, S.K., Bidulescu, A., & Echouffo-Tcheugui, J.B. (2020). Associations of Plasma Endothelin-1 Levels with Glycemic Progression and Incident Type 2 Diabetes among African Americans: the Jackson Heart Study. (\*: Co-first authors)

### ***Policy Statement (1)***

(Draft is available upon request)

Julian, M., Chadwick, G., Dobbs, P., Vagadori K.H., Wooten, N.R., Adeniran, E., **Gao, X.,** Colston, D., Goodman, O., Okunna, N., Raskind, I., & Mamudu, H. (2022). 2021 American Public Health Association (APHA) Alcohol, Tobacco and Other Drugs (ATOD) policy statement entitled “Decriminalization of Commercial Tobacco Products”

### ***Manuscript Proposals (2)***

(Drafts are available upon request)

**Gao, X.\*,** Terry, J.G., Liu, J., Joseph, J., Kline, D., Fox, E., Musani, K.S., Bidulescu, A. (2019). Renin and Cortisol levels in relationship to Coronary Artery Calcium and Abdominal Aortoiliac Calcium scores with its modification and a sex difference among African Americans in the Jackson Heart Study.

**Gao, X.\*,** Correa, A., Foraker, R., Fox, E., Musani, K.S., Bidulescu, A. (2019). The association of baseline Cystatin C levels with incident Type 2 Diabetes Mellitus, and mediators and modifiers of this association, among African Americans in the Jackson Heart Study.

## **NATIONAL CONFERENCE PRESENTATIONS (18)**

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**Gao X.\*** Social support as a moderator on the association between adverse childhood experience domains and unsafe firearm storage. (2025) *(2025 National Research Conference for the Prevention of Firearm-Related Harms, Tempe, Arizona)*

**Gao X.\*** The Moderating Role of School Connectedness with Neighborhood Disadvantage on Associations between Witnessing Community Violence and Gun Carrying among High School



Students: Multilevel Measures. (2025) *(2025 National Research Conference for the Prevention of Firearm-Related Harms, Tempe, Arizona)*

**Gao X.\*** Background Check Laws and Gun Carrying among U.S. High School Students. (2025) *(2025 National Research Conference for the Prevention of Firearm-Related Harms, Tempe, Arizona)*

**Gao X\***, Siddiqui S. Exposure to Neighborhood Violence and School Absences among Asian American Youths. (2025) *(2025 American Sociological Association, Chicago, Illinois)*

**Gao X\***, Siddiqui S. Exposure to Neighborhood Violence and School Absences among Asian American Youths. (2025) *(2025 Society for Advancement of Violence and Injury Research, NYC, New York)*

**Gao X\***, Horbal RS, Burford K, Bidulescu A. (2025). Alcohol Use Mediates the Association between Sexual Dating Violence Victimization and Attempted Suicide. *(2025 Society for Advancement of Violence and Injury Research, NYC, New York)*

**Gao, X.\***, Roberts, L., Mehranbod, C., Fish, C., Bushover, B., Eschliman, E., Zadey, S., & Morrison, C.N. (2024). Association between Child Access Prevention Laws and Weapon Carrying at School among U.S. High School Students. *(2024 National Research Conference for the Prevention of Firearm-Related Harms, Seattle, Washington)*

**Gao, X.\*** & Morrison, C N. (2024). Association between alcohol and drug use before sex and weapon carrying at school among youths and their interactions with mental health during the pandemic. *(2024 NYC Epidemiology Forum, NYC, New York)*

**Gao, X.\*** & Morrison, C N. (2024). Associations of Exposure to Community Violence as Adverse Childhood Experience with Youth's Active and Receptive Risk Behaviors by District Conditions. *(2024 Society for Advancement of Violence and Injury Research, Chapel Hill, North Carolina)*.

Fish, C.S., **Gao, X.**, & Morrison, C N. (2024). State-level trends in gun ownership in the United States, 1949-2020. *(2024 Society for Advancement of Violence and Injury Research, Chapel Hill, North Carolina)*.

**Gao, X.\***, Vaca, F.E., Haynie, D., Simons-Morton, B., & Li, K. (2022). Are depressive and psychosomatic health associated with emerging adult health, education, and employment? *Conference Abstract (2022 Society of Behavioral Medicine, April 6-9, 2022, Baltimore, Maryland, USA)*

**Gao, X.\***, Vaca, F.E., Haynie, D., Simons-Morton, B., & Li, K. (2021). Associations of delaying in driving licensure among adolescents with their health, education, and employment 4 years after high school. *Conference Abstract (American Public Health Association's 2021 Annual Meeting and Expo, Oct. 24-27, Denver, Colorado, USA)*

**Gao, X.\***, Horbal, S.R., Fan, H., Su, Le., Musani, S.K., Fox, E.R., Kaze, A.D., Zoh, R., Echouffo-Tcheugui, J.B., & Bidulescu, A. (2021). C-reactive Protein As A Moderator And Insulin Resistance As A Mediator For The Association Between Endothelin-1 and Type 2 Diabetes Progression Among African Africans In The Jackson Heart Study. *Conference Abstract (EPI|Lifestyle 2021 Scientific Sessions affiliated with American Heart Association, an oral presentation, May 20-21, 2021)*

**Gao, X.\***, Vaca, F.E., Haynie, D., Simons-Morton, B., & Li, K. (2021). Trajectories of Risky Driving Among Emerging Adults with their Mental and Psychosomatic Health Predictors in the 12<sup>th</sup> Grade. *Conference Abstract [the 65<sup>th</sup> Association for the Advancement of Automotive Medicine (AAAM) 2021 Annual Conference in Indianapolis, Indiana, USA, from October 19 – 22, 2021]*

Vaca, F.E., Li, K., **Gao, X.**, Zagnoli, K., Wang, H., Haynie, D., Fell, J.C., Simons-Morton, B., & Romano, E. (2021). Delay in Driving Licensure Among U.S. Teens: Survival Analysis of Interval-Censored Survey Data. *Conference Abstract (the Society of Behavioral Medicine's 2021 Annual Meeting & Scientific Sessions, which was held virtually April 12- April 16, 2021)*

Li, K., Haynie, D., **Gao, X.**, Lipsky, L.M., Nansel, T.R., Iannotti, R.J., Vaca, F.E., & Simons-Morton B.G. (2021). Validation of a Continuous Measure of Cardiometabolic Risk among Adolescents. *Conference Abstract (the Society of Behavioral Medicine's 2021 Annual Meeting & Scientific Sessions, which was held virtually April 12- April 16, 2021)*

Green, W., **Gao, X.**, Li, K., Banz, C.B., Wu, Jia., Crowley, M., Camenga, D., Vaca, E.F. (2020). The association of sleep hygiene and drowsiness with adverse driving events in emergency residents. *(2020 Society for Academic Emergency Medicine National Conference in Denver, Colorado, USA, switched to the online format due to COVID-19 pandemic)*

Fan, H., ArdeshirRouhandiFrad, S., **Gao, X.**, Musani, K.S., Fox, E., Curtis, L., Correa, A., O'Brien, E., & Bidulescu, A. (2019). Sex-Specific Association of Plasma Endothelin-1 with Incidence of Stroke in African Americans: the Jackson Heart Study *(EPI|Lifestyle 2019 Scientific Sessions affiliated with American Heart Association in Huston, Texas, USA)*

## STATISTICAL SKILLS

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Epidemiological skills (Natural Experimental Study, Quasi-experimental study, Crossover Study Design, Cross-sectional Study, Observational Studies, Longitudinal Studies, Case-Control Study, Cohort Study, Randomized Controlled Trial)

Coursework in Epidemiology (SPH-E 651 Epidemiology, SPH-E 657 Social Epidemiology, SPH-E 658 Intermediate Epidemiology, SPH-E 659 Intermediate Epidemiological Methods, SPH-E 653 Chronic Disease Epidemiology, SPH-E 692 Research in Epidemiology, SPH-E 696 Field Experience in Epidemiology, SPH-E 698 MPH Culminating Experience Epidemiology)

Biostatistical methods (Ecological Panel Analysis, Difference in Difference [DiD] Analysis, Multilevel Analysis, Time Series Analysis [ARIMA Model], Joint Point Analysis, Moderation and Mediation using Macro PROCESS, Logistical Regression Model, Linear Regression, Ordinal Logistic Regression, Multinomial Analysis, Trajectory Analysis, Latent Class Growth Modeling, Complex Survey Analysis, Categorical Data Analysis, Survival Data Analysis)

Coursework in Biostatistics (SPH-Q 501 Introduction to Statistics in Public Health, SPH-Q 611 Statistical Packages in Research, SPH-Q 603 Categorical Data Analysis, HDFS Multivariate Research Methods)

Statistical packages (SAS, R, SPSS)