

Jennifer Ahern, PhD

CONTACT INFORMATION

Division of Epidemiology
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ACADEMIC TRAINING

Brown University

BA, Human Biology

Phi Beta Kappa, Cum Laude

May 1997
Providence, Rhode Island

University of California, Berkeley, School of Public Health

MPH, Epidemiology and Biostatistics

May 2000
Berkeley, California

Preterm birth among African American and White women: a multilevel analysis of socioeconomic characteristics and cigarette smoking

Barbara Abrams, Steve Selvin

University of California, Berkeley, School of Public Health

PhD, Epidemiology

May 2007
Berkeley, California

The social context and population health: a multilevel analysis of neighborhood social characteristics and the use of cigarettes and alcohol

S. Leonard Syme (chair), Alan Hubbard, Lorraine Midanik

PROFESSIONAL EXPERIENCE

Project Manager

Department of Environmental Health Sciences

Johns Hopkins University, Bloomberg School of Public Health

June 1997-July 1998
Baltimore, Maryland

Senior Research Analyst

Research Analyst

Jan 2001-Aug 2005
Aug 2000-Dec 2001

**Center for Urban Epidemiologic Studies
New York Academy of Medicine**

New York, New York

**Senior Research Analyst
Department of Epidemiology
University of Michigan, School of Public Health**

Sep 2005-June 2007
Ann Arbor, Michigan

**Assistant Professor
Division of Epidemiology
University of California, Berkeley, School of Public Health**

July 2007-June 2014
Berkeley, California

**Associate Professor, with tenure
Division of Epidemiology
University of California, Berkeley, School of Public Health**

July 2014-June 2019
Berkeley, California

**Professor
Division of Epidemiology
University of California, Berkeley, School of Public Health**

July 2019-present
Berkeley, California

SELECTED HONOURS

AWARDS

- King Sweesy and Robert Womack Endowed Chair in Medical Research and Public Health (2020-present)
- Reviewer of the Year, American Journal of Epidemiology (2019)
- National Academies of Sciences, Engineering, and Medicine, Selected as Member of the “New Voices in Sciences, Engineering and Medicine (SEM)” Initiative (2018)
- Influential Alumni Award from the School of Public Health, University of California, Berkeley (2018)
- Chancellor’s Professorship (2014-2020)
- School of Public Health Committee on Teaching Excellence Honoree (2013-2019 for Epidemiologic Methods II, Methods in Social Epidemiology, Doctoral Seminar)
- Outstanding Graduate Student Instructor Award, University of California, Berkeley (2006)
- Phi Beta Kappa, Rhode Island Alpha (1997)

SCHOLARSHIPS AND FELLOWSHIPS

- Dowdell Fellowship, University of California, Berkeley (2006)
- Public Health Alumni Association Scholarship, University of California, Berkeley (2006)
- Walter and Julia Perker Scholarship, University of California, Berkeley (1999-2000)
- University Fellowship, University of California, Berkeley (1998-2000)
- Summer Student Fellowship, Woods Hole Oceanographic Institution (1996)

UNIVERSITY SERVICE

SCHOOL OF PUBLIC HEALTH

- Associate Dean for Research, School of Public Health (2016-present)
 - Developed Grant Writing Seminar Series
 - Developed Grant Peer Review Process for UCB SPH
 - Developed Faculty Research Seminar Series
 - Developed Bridge Funding and Indirect Cost Return Pilot Programs
- Head of Epidemiology Division and Graduate Group (2015)
- Epidemiology Admissions Committee (2008-present)
- Written Qualifying Exam review for Epidemiology PhD Program (2008)
- School of Public Health MPH Management Committee (2008-2014)
- School of Public Health Faculty Council (2010-2012, 2013-2015, 2016-2018)
- School of Public Health UCB-UCSF Partnership Taskforce (2010-2011)
- School of Public Health Strategic Plan, Business, Administration and Management co-Chair (2014-2015)
- School of Public Health Communications Advisory Board (2014-2015)
- School of Public Health New Building Workgroup (2014-present)
- Search Committee Member (Biostatistics 2014-2015, 2015-2016, Environmental Health Sciences 2022-2023)
- School of Public Health Grant Peer Reviews (2019-2020 – 1 review)
- Ad Hoc Committee Service (2015-2016 – chaired 2 committees, 2018-2019 – chaired 1 committee, 2021-2022 served on 1 committee)
- Faculty in the Robert Wood Johnson, Health and Society Scholars Program (2007-2013)
- Associate Director of the Robert Wood Johnson, Health and Society Scholars Program (2013-2016)
- Prevention Research Center Faculty Advisory Committee (2011-2014)

UNIVERSITY

- Chancellor's Advisory Committee on Work and Family (2009-2015)
- University of California, Berkeley's Committee for Protection of Human Subjects (CPHS-1) Committee Member (2016-2018)
- Academic Planning and Resource Allocation Committee (CAPRA) Member (2017-2020)
 - CAPRA representative to the Capital Renewal Committee (CRC) (2017-2020)
- Sponsored Projects Office User Network (SUN) Committee Member (2018-present)
- Signature Initiatives *Charting a New Course to Health and Wellbeing* Working Group Member (2018-2019)
- UC Berkeley International Engagement Policy Task Force (2019-2020)
- Secure Research Data and Compute (SRDC), Faculty Advisory Board Member (2020-present)
- Innovative Genomics Institute (IGI) Annex Academic Program Committee, Academic Senate Representative (2022-present)

TEACHING EXPERIENCE

INSTRUCTION

Course: Epidemiologic Methods II

University of California, Berkeley, School of Public Health

Fall 2010, 2011, 2013, 2015, 2017,
Spring 2020, 2022
Berkeley, California

Updated and taught a course designed to introduce, compare, evaluate and apply conceptual frameworks, measures, study designs, and analysis approaches used in the field of epidemiology. The course provides a firm foundation both for those intending to practice epidemiology following its completion, as well as for those pursuing the advanced epidemiologic methods courses. Lecture with discussion sections.

Course: Methods in Social Epidemiology

University of California, Berkeley, School of Public Health

Spring 2008, 2010-2020, 2022
Berkeley, California

Developed and taught a graduate seminar designed to review, evaluate and apply methods currently used in the field of social epidemiology, with a focus on approaches to forming clear research questions, and selecting the best method(s) to answer the questions posed. Mix of lecture and discussion.

Course: Advanced Doctoral Seminar

University of California, Berkeley, School of Public Health

Fall 2015-2019, Spring 2017-2019
Berkeley, California

Taught a graduate seminar designed for advanced doctoral students to develop the ability to hone research objectives, present research findings, provide constructive criticisms, compare and contrast different statistical methods, and communicate effectively about their work with a range of audiences. Mix of student presentations, lectures, and discussion.

Course: Doctoral Seminar – for first year PhD students

University of California, Berkeley, School of Public Health

Fall 2021
Berkeley, California

Taught a graduate seminar designed for first year doctoral students to develop and hone research interests, articulate research objectives, learn about grant processes and funding opportunities relevant to predocs, present research ideas, provide constructive criticisms. Mix of student presentations, lectures, and discussion.

GUEST LECTURES

Social epidemiology, Doctoral Seminar

University of California, Berkeley, School of Public Health

Fall 2015

Presented on new directions in the field of social epidemiology (1 class, 15 students).

Alcohol outlets and binge drinking: an application of causal inference methods, Introduction to Causal Inference

University of California, Berkeley, School of Public Health

Fall 2013, 2014

Presented an applied causal inference analysis and led discussion on the relevance of clear parameter definition to substantive questions (1 class, 20 students).

Quantitative and Qualitative Analysis Approaches, Doctoral Seminar

University of California, Berkeley, School of Public Health

Spring 2013, 2015

Participated in a panel discussion of quantitative and qualitative approaches to analysis in the DrPH graduate seminar (1 class, 10 students).

Causality and Causal Inference Analysis, *Epidemiologic Methods II* Fall 2012
University of California, Berkeley, School of Public Health
Introduced conceptual models of causality and causal inference analysis approaches in a graduate course on epidemiologic methods (2 classes, 60 students).

A Rigorous System to Determine the Health Impacts of Policies and Programs, *Introduction to Epidemiology* Spring 2015
Berkeley, California
University of California, Berkeley, School of Public Health
Presented an overview of a research project that will establish a new system to determine the health and disparities impacts of policies and programs in an undergraduate level course on epidemiology (1 class, 250 students).

Neighborhood Studies, *Introduction to Epidemiology* Spring 2008, 2009, 2011-2014
Berkeley, California
University of California, Berkeley, School of Public Health
Presented an overview of research on neighborhoods and health in an undergraduate level course on epidemiology (1 class, 200 students).

Causality in Social Epidemiology, *Social Epidemiology* Spring 2012
Berkeley, California
University of California, Berkeley, School of Public Health
Presented and led discussion on challenges to inferring causality in the study of social variables in a graduate seminar (1 class, 15 students).

Geoffrey Rose and Population Health, *Masters Seminar* Fall 2009-2019
Berkeley, California
University of California, Berkeley, School of Public Health
Led discussion on the topic of studying population health as distinct from individual health in a graduate seminar (1 class, 20 students).

Cardiovascular Disease and Social Determinants, *Masters Seminar* Fall 2021
Berkeley, California
University of California, Berkeley, School of Public Health
Presented and led discussion on cardiovascular disease trends and latest preventative strategies, and social determinants of cardiovascular disease and other aspects of health (1 class, 30 students).

Neighborhood Studies, *Medical Detectives* Spring 2009
Berkeley, California
University of California, Berkeley, School of Public Health
Led discussion of issues around studying neighborhoods and health in an undergraduate freshman seminar (1 class, 25 students).

Disaster Research, *Disaster Epidemiology* Spring 2007, 2008
Berkeley, California
University of California, Berkeley, School of Public Health
Presented study design considerations and challenges in post-disaster research using the example of research after the World Trade Center terrorist attacks in New York City as part of a graduate seminar (1 class, 20 students).

Statistical Inference, *Epidemiologic Methods I* Fall 2006, 2007
Berkeley, California
University of California, Berkeley, School of Public Health

Lectured and guided discussion on statistical inference and basic statistical analysis approaches in a graduate level course on epidemiologic methods (3 classes, 100 students).

Multilevel Analysis, *Epidemiologic Methods I* Fall 2005-2007 2010-2018
University of California, Berkeley, School of Public Health 2020-2021
Berkeley, California

Presented an overview of issues around neighborhood studies and multilevel analysis in a graduate level course on epidemiologic methods (1 class, 120 students).

Disaster Research, *Epidemiology and Biostatistics Seminar* Fall 2005, 2010
University of California, Berkeley, School of Public Health Berkeley, California
Spoke about research on mental health after the World Trade Center terrorist attacks in New York City as part of a graduate seminar (1 class, 20 students).

Innovative Research in Epidemiology, *Epidemiology and Biostatistics Seminar* Fall 2014, 2015
University of California, Berkeley, School of Public Health Berkeley, California
Discussion and workshop on innovation in research and writing in epidemiology as part of a graduate seminar, (1 class, 20 students).

Collective efficacy and violence in New York City neighborhoods, *Geographic Information Science for Public and Environmental Health* Spring 2012-2014
University of California, Berkeley, School of Public Health Berkeley, California
Presented an overview of issues around neighborhood studies with an applied example as part of a graduate seminar (1 class, 20 students)

Combining shoe leather and big data techniques to assess program and policy effects, *Biomedical Big Data Seminar* Fall 2018
Berkeley, California
Presented applied analyses involving big health data addressing questions related to violence as part of a graduate seminar (1 class, 15 students)

INVITED TALKS

Social context and health: Controversies and new directions Mar 2005
Robert Wood Johnson Health and Society Scholars Program Berkeley, California
University of California, Berkeley, School of Public Health

Is it all academic? Increasing the relevance of research on community characteristics to intervention June 2009
Martinez, California
Bay Area Data Collaborative Meeting
Contra Costa County Health Department

Increasing the relevance of research on community characteristics to intervention January 2010
Berkeley, California
Robert Wood Johnson Health and Society Scholars Program
University of California, Berkeley, School of Public Health

Multilevel analysis and beyond. Increasing the relevance of research on community characteristics to intervention Alcohol Research Group Public Health Institute	March 2010 Emeryville, California
Multilevel thinking and modeling in social epidemiology Plenary Panelist American College of Epidemiology Annual Meeting	September 2010 San Francisco, California
Collective efficacy and violence in New York City neighborhoods Faculty Research Seminar	April 2011 Berkeley, California
Collective efficacy and violence in New York City neighborhoods Population Health Seminar	September 2011 Berkeley, California
Collective efficacy and violence in New York City neighborhoods Joint Medical Program Seminar	February 2012 Berkeley, California
Our neighborhood environment affects our health Cal Day – Berkeley’s annual open house for prospective students and the broader community	April 2012 Berkeley, California
How the social environment shapes health Spotlight Session Chair Society for Epidemiologic Research Annual Meeting	June 2012 Minneapolis, Minnesota
Alcohol outlets and binge drinking in urban neighborhoods: the implications of non-linearity for intervention and policy Faculty Research Seminar	September 2012 Berkeley, California
The neighborhood social environment shapes mental health and health behavior Social Determinants of Urban Mental Health: Paving the Way Forward Adler Institute on Social Exclusion	September 2012 Chicago, Illinois
History - seen or unseen in research on neighborhood environments and health? Charting the Next 25 Years in Social Epidemiology Columbia University Epidemiology Scientific Symposium	October 2012 New York, New York
The fire breathing dragon: facing history in translating neighborhood research into practice Epidemiology Student Organization Spring Seminar University of North Carolina	March 2013 Chapel Hill, North Carolina
Causal inference: why bother? Plenary Session Chair	June 2013 Boston, Massachusetts

Society for Epidemiologic Research Annual Meeting

Alcohol outlets and binge drinking in urban neighborhoods: the implications of non-linearity for intervention and policy

Alcohol Research Group
Public Health Institute

October 2013
Emeryville, California

Historical and social mechanisms that shape health – the case of violence

A Post-Genomic Embrace of the Human? The Social Science and Humanities of Non-Reductionist Life Sciences, Mellon Sawyer Seminar Series
New York University

October 2013
New York, New York

Community environments and violence

Violence Prevention Research Program
Department of Emergency Medicine, University of California, Davis

January 2014
Davis, California

Causal inference analysis

Social Nutrition Department
UERJ - Universidade do Estado do Rio de Janeiro

April 2014
Rio de Janeiro, Brasil

On the fundamentals – population intervention impact and external validity

Population Health Science Seminar
Boston University, School of Public Health

December 2015
Boston, Massachusetts

Next generation estimation approaches to anticipate the effects of different interventions in different populations

Achieving Health Equity: The Impact of the Social Determinants of Housing, Education and Employment on Health Disparities
Duke University, School of Medicine

October 2017
Durham, North Carolina

Leveraging big data to assess health effects of changes in physical and social environments, and policy and program implementation

Seminar, Department of Epidemiology and Biostatistics
School of Public Health and Health Sciences
University of Massachusetts Amherst

March 2018
Amherst, Massachusetts

Leveraging big data to assess health effects of changes in physical and social environments, and policy and program implementation

Alcohol Research Group
Public Health Institute

September 2018
Emeryville, California

Leveraging big data to assess health effects of changes in physical and social environments, and policy and program implementation

Research Seminar Series

September 2018
Berkeley, California

School of Public Health
University of California, Berkeley

Leveraging big health data to answer questions about program and policy effects

Part of “SER Visits” - highly regarded Society for Epidemiologic Research (SER) researchers visit a diverse range of institutions to engage epidemiologists and epidemiologists-in-training
School of Public Health
San Diego State University

March 2019
San Diego, California

Leveraging big data to assess health effects of changes in physical and social environments, and policy and program implementation

Research Seminar
California Center for Population Research (CCPR)
University of California, Los Angeles

April 2019
Los Angeles, California

Generalization of the synthetic control method to predict expected outcomes: Example of the Mental Health Services Act

Why Causation Matters
Stanford 2nd Colloquium on Machine Learning and Causal Inference
Stanford University

April 2019
Palo Alto, California

Estimation approaches for causal inference: parametric and semi-parametric estimators

Population Research Center Methods Talk
University of Texas, Austin

February 2020
Austin, TX

Leveraging big health data to answer questions about program and policy effects

Epidemiology and Biostatistics Joint Lecture
University of Kentucky, College of Public Health

May 2021
Lexington, KY

Leveraging big health data to answer questions about program and policy effects

Epidemiology Seminar
Brown University, School of Public Health

November 2021
Providence, RI

Youth Mental Health Disparities: Productive Research Approaches on Risk and Etiology

Youth Mental Health Disparities Conference: Identifying Opportunities and Priorities in Youth Mental Health Disparities Research
National Institutes of Health

December 2021
Bethesda, MD

Reconnection

President’s Address
Society for Epidemiologic Research Annual Meeting

June 2022
Chicago, IL

MEMBERSHIPS

- Society for Epidemiologic Research (2001-present)
- American Public Health Association (2000-present)

PROFESSIONAL ACTIVITIES

LEADERSHIP

- President, Society for Epidemiologic Research (2021-2022) – commitment to a 3 year term on the Executive Committee (2020-present)

EDITORIAL

- Associate Editor, Epidemiologic Perspectives and Innovation. 2004-2012 (journal folded)
- International Editorial Board Member, Health and Place (2014-present)
- Editorial Committee Member, Epidemiologic Reviews issue #38 “Gun Violence: Risk, Consequences, and Prevention” (2014-2015)

JOURNAL REVIEW

Journal peer reviewer (2000-present)

- Addiction
- Alcoholism: Clinical and Experimental Research
- American Journal of Epidemiology
- American Journal of Preventive Medicine
- American Journal of Public Health
- Annals of Behavioral Medicine
- Annals of Epidemiology
- BMC Medicine
- BMJ
- Child Psychiatry and Human Development
- Drug and Alcohol Dependence
- Epidemiologic Perspectives and Innovation
- Epidemiology
- European Journal of Social Psychology
- Health and Place
- International Family Planning Perspectives
- International Journal of Epidemiology
- JAMA Network Open

- Journal of Epidemiology and Community Health
 - Journal of Health and Social Behavior
 - Journal of Health Care for the Poor and Underserved
 - Journal of Nervous and Mental Disease
 - Journal of the National Medical Association
 - Journal of Psychiatric Research
 - Journal of Traumatic Stress
 - Journal of Urban Health
 - Milbank Quarterly
 - New England Journal of Medicine
 - Pediatrics
 - Paediatric and Perinatal Epidemiology
 - Preventive Medicine
 - Psychiatry Research
 - Social Psychiatry and Psychiatric Epidemiology
 - Social Science and Medicine
- Abstract reviewer for International Conference on Urban Health Annual Meeting (2002)
 - Abstract reviewer for Society for Epidemiologic Research Annual Meeting (2009, 2010, 2012, 2013, 2014)
 - Poster judge for Society for Epidemiologic Research Annual Meeting (2017-2021)

GRANT REVIEW

Standing Service

- National Institutes of Health, Social Sciences and Population Studies (B) Study Section, Center for Scientific Review, Member July 2021-June 2025

Ad Hoc Review

- Early Career Reviewer for the National Institutes of Health (2013-2015)
- National Institutes of Health, Social Sciences and Population Studies (B) Study Section, Ad Hoc Reviewer October 2016
- National Institutes of Health, ZMD1 DRI (O1), NIMHD Special Emphasis Panel, Reviewer June 2018
- National Science Foundation, Methodology, Measurement, and Statistics (MMS) Program, Ad Hoc Reviewer October 2018
- Hellman Fellows Fund, UC Berkeley, Reviewer April 2019
- National Institutes of Health, Social Sciences and Population Studies (B) Study Section, Ad Hoc Reviewer June 2019
- Robert Wood Johnson Foundation, Interdisciplinary Research Leaders (IRL) program, Expert Reviewer March-April 2020
- National Institutes of Health, ZMD1 RP (O1) R, NIMHD Special Emphasis Panel, Reviewer July 2020

- Robert Wood Johnson Foundation, Interdisciplinary Research Leaders (IRL) program, Expert Reviewer May-June 2021
- National Institutes of Health, ZRG1 MOSS-T (54) R Special Emphasis Panel, Transformative Research Applications to Address Health Disparities and Advance Health Equity RFA RM-21-022, Ad Hoc Reviewer July 2021
- Robert Wood Johnson Foundation, Interdisciplinary Research Leaders (IRL) program, Expert Reviewer May-June 2022

NATIONAL WORKSHOPS

- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2015). Denver, CO.
- Society for Epidemiologic Research and University of Minnesota, SER Talks Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2016). Minneapolis, MN.
- Epidemiology Congress of the Americas, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2016). Miami, FL.
- Society for Epidemiologic Research and Columbia University, SER Talks Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2017). New York, NY.
- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2017). Seattle, WA.
- Society for Epidemiologic Research and University of California, Los Angeles, SER Talks Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2018). Los Angeles, CA.
- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2018). Baltimore, MD.
- Society for Epidemiologic Research and Boston University, SER Talks Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2018). Boston, MA.
- *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), Workshop Instructor “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2019). Bethesda, MD.
- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (Delayed until December 2020 and offered virtually due to COVID-19). Boston, MA.
- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2021, offered virtually due to COVID-19).
- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2022, offered virtually).

CONSORTIA

- UC-Mexico Health Working Group, Member (2015-2016)
- UC Criminal Justice & Health Consortium, Senior Fellow (2015-2017)

- UC Berkeley Network on Adolescent Well-being and Development, Member (2016-present)
- UC Berkeley Innovations for Youth (I4Y), Faculty Affiliate (2016-present)
- UC Berkeley Center for Targeted Learning in Big Data, Faculty (2015-present)
- UC Berkeley California Policy Lab, Faculty Affiliate (2017-present)
- UC Berkeley California Initiative for Health Equity and Action (Cal-IHEA), Faculty Affiliate (2019-present)
- UC Berkeley Center for Science, Technology, Medicine & Society (CSTMS), Faculty Affiliate (2019-present)

OTHER PROFESSIONAL ACTIVITIES

- Society for Epidemiologic Research Student Workshop Faculty (2009)
- Society for Epidemiologic Research “Meet the Experts” Panel (2010, 2014, 2015, 2018)
- Society for Epidemiologic Research Spotlight Session Chair, “How the Social Environment Shapes Health” – Invited (2012)
- Society for Epidemiologic Research Plenary Session Chair, “Causal Inference: Why Bother?” – Invited (2013)
- Society for Epidemiologic Research Symposium co-Chair, “Exposures and Interventions: Towards a More Consequentialist Epidemiology” (2014)
- Society for Epidemiologic Research Symposium Discussant, “Prevention and Treatment Approaches to Public Health: What Can We Learn from Simulations?” (2015)
- Society for Epidemiologic Research Publications Committee (2013-2019)
- Epidemiology Congress of the Americas Awards Committee (2014-2016)
- Society for Epidemiologic Research SERpodcast Working Group (2018-2019) (all episodes at <https://serepidemiologycounts.blubrry.net/>)
 - Co-host - Epidemiology Counts – Episode 2 “Community Immunity”
 - Co-host - Epidemiology Counts – Episode 6 “Influenza”
- Society for Epidemiologic Research Symposium co-Chair, “Spotlight on the controls: interesting real-world challenges faced with control groups and the implications for randomized controlled trials” (2019)
- Society for Epidemiologic Research Spotlight Session Chair, “Methods for the Thorny Challenges of Real Studies” – Invited (2020)
- Society for Epidemiologic Research Symposium Discussant, “The SER Diversity and Inclusion Survey: What’s next?” – Invited (2021)
- Society for Epidemiologic Research Plenary Session Chair (2021, 2022)

RESEARCH ACTIVITIES

COMPLETED

New York Social Environment Study (Galea)

Role on Project: Co-investigator

Dates: May 10, 2004 - May 9, 2008

Funding Agency: National Institutes of Health; R01 DA 017642

Funding: \$1,779,665

Description: A multilevel study to assess the relations between urban neighborhood characteristics and the use of cigarettes, alcohol, and marijuana among residents of New York City.

Novel Methods to Address Methodological Challenges in Social Epidemiology (Ahern)

Role on Project: Principal Investigator

Dates: July 1, 2007 – June 30, 2008

Funding Agency: UC Berkeley Committee on Research, Junior Faculty Research Grant

Funding: \$5,000

Description: Methodologic development in social epidemiology research to address the challenges of social selection, social stratification, and feedback.

Supportive Environments for Veterans (Ahern)

Role on Project: Principal Investigator

Dates: August 1, 2009 – August 1, 2010

Funding Agency: National Center for PTSD, VA Palo Alto (contract)

Funding: \$14,870

Description: Qualitative research on the family, community, peer and other supports and services available that support a healthy return for Operation Iraqi Freedom and Operation Enduring Freedom Veterans.

Macro-level Shocks and Gestational Outcomes (Ahern)

Role on Project: Principal Investigator

Dates: January 1, 2010 – August 31, 2010

Funding Agency: Berkeley Population Center and Robert Wood Johnson Health and Society Program Pilot Grant

Funding: \$12,000

Description: An analysis of economic contractions and natural disasters occurring during pregnancy and outcomes of gestation (birth weight and length of gestation) among women in the NLSY79.

Incorporate modern epidemiologic concepts and small discussion sections into Epidemiologic Methods II (Ahern)

Role on Project: Principal Investigator

Dates: May 1, 2010 – August 31, 2010

Funding Agency: UC Berkeley Office of Educational Development, Instructional Improvement Grant

Funding: \$2,898

Description: Revision of course materials to incorporate the counterfactual framework for conceptualizing causality, and introduce small discussion sections.

Innovative use of general population survey data to characterize California communities (Ahern)

Role on Project: Principal Investigator

Dates: May 1, 2011 – August 31, 2011

Funding Agency: Robert Wood Johnson Health and Society Program Pilot Grant

Funding: \$8,500

Description: Exploration of the the use of California Health Interview Survey data to characterize social properties of communities (social cohesion, community engagement, safety, and park use).

Pilot Research with OEF/OIF Veterans on Social Environment Factors Protective against Substance Misuse (Ahern)

Role on Project: Principal Investigator

Dates: September 1, 2010 – June 30, 2012

Funding Agency: Hellman Family Faculty Fund

Funding: \$40,000

Description: Qualitative research with Operation Iraqi Freedom and Operation Enduring Freedom Veterans to identify social environment characteristics that shape substance misuse following separation.

Mechanisms explaining the lack of Black-White disparities in mental health: pilot analyses of the NCS-A (Ahern)

Role on Project: Principal Investigator

Dates: January 1, 2012 – August 31, 2012

Funding Agency: Robert Wood Johnson Health and Society Program Pilot Grant

Funding: \$14,962

Description: Analyses of a national study of adolescents (NCS-A) to examine whether supports and resources in the social environment explain a lack of Black-White disparities in mental health.

Mechanisms that underlie social environment and life course determinants of health (Ahern)

Role on Project: Principal Investigator

Dates: January 1, 2013 – August 31, 2013

Funding Agency: Robert Wood Johnson Health and Society Program Pilot Grant

Funding: \$9,944

Description: Application of causal inference mediation methods to questions about mechanisms behind social environment and life course determinants of health.

Development of a Health Database for California (Ahern)

Role on Project: Principal Investigator

Dates: June 1, 2014 – August 31, 2014

Funding Agency: Robert Wood Johnson Health and Society Program Pilot Grant

Funding: \$8,150

Description: Development of a database of births, deaths, emergency department visits and inpatient hospitalizations in California.

Causal Inference Controversies (Ahern)

Role on Project: Principal Investigator

Dates: March 1, 2012 – December 31, 2014

Funding Agency: UC Berkeley Committee on Research, Faculty Research Grant

Funding: \$8,200

Description: Development of a paper to address controversy related to the parameters that are considered permissible to estimate using causal inference methods.

In-depth Examination of Diverse Schools with Declining BMI Rates (Crawford, Ritchie)

Role on Project: Epidemiologist

Dates: June 1, 2014 – November 30, 2016

Funding Agency: Robert Wood Johnson Foundation

Funding: \$988,007

Description: Examine the relationship of policies, programs, intervention strategies and contextual factors to BMI trends since 2001 among 7th grade students in racially and ethnically diverse low-income California schools.

A rigorous system to determine the health impacts of policies and programs (Ahern)

Role on Project: Principal Investigator

Dates: September 19, 2013 – June 30, 2018

Funding Agency: National Institutes of Health Director's New Innovator Award Program; DP2 HD080350

Funding: \$2,352,525

Description: This research will establish a new system to determine the health and disparities impacts of policies and programs, and apply this system to assess the effects of criminal justice policies and programs in California.

Mechanisms Underlying Differential Effects of Neighborhood Poverty on Problematic Adolescent Drug Use (Rudolph)

Role on Project: Mentor

Dates: August 1, 2016 – November 30, 2017

Funding Agency: National Institutes of Health; K99 DA042127

Funding: \$308,828.

Description: This research will identify school-based mechanisms that mediate the relationship between neighborhood poverty and problematic drug use and to develop statistical methods to understand how mediation effects differ across subgroup and place.

University of California Firearm Violence Research Center (Wintemute)

Role on Project: Subaward Principal Investigator

Dates: July 4, 2017 – June 30, 2020

Funding Agency: University of California, Office of the President

Funding: \$100,000

Description: Research on the patterns, determinants and consequences of firearm violence in California.

Evaluating the Effects of Two Federal Policies on Buprenorphine Prescribing and Opioid-related Health Outcomes (Rowe)

Role on Project: Sponsor

Dates: April 1, 2019 – December 18, 2020

Funding Agency: National Institutes of Health; F31 DA047770

Funding: \$74,255

Description: This research will evaluate the impacts of two policies that aim to expand access to buprenorphine for opioid use disorder on prescribing practices and opioid-related health outcomes.

The Role of Community and Individual Firearm Accessibility in Intentional Firearm Injury: Identifying Risk Factors and Assessing Interventions

Role on Project: Dissertation Chair

Dates: August 1, 2020 – July 31, 2021

Funding Agency: Fidelity Charitable; The National Collaborative on Gun Violence Research (NCGVR)

Funding: \$25,000

Description: Evaluate the effects of firearm dealer and alcohol outlet density on firearm violence, and examine the effect of gun violence restraining order implementation on firearm violence.

Multilevel Mechanisms of HIV Acquisition in Young South African Women (Pettifor)

Role on Project: Subaward Principal Investigator

Dates: April 1, 2016 - March 31, 2021; NCE March 31, 2022

Funding Agency: National Institutes of Health; R01 MH110186

Funding: \$310,070

Description: Determine the effects of social determinants across multiple levels of influence in three key thematic areas – gender inequity, schooling and socio-economic status, and emotional support and well-being – on HIV incidence in young South African women.

CURRENT

Infrastructure strengthening of the California EIP (Ahern)

Role on Project: Principal Investigator

Dates: October 1, 2014 – December 31, 2022

Funding Agency: CDC California Emerging Infections Program

Funding: \$112,111 (current year)

Description: Collaboration with the CDC EIP to improve understanding of the social and economic determinants that may be preventing the attainment of the Healthy People 2020 objectives.

Reducing Drug-Related Mortality Using Predictive Analytics: A Randomized, Statewide, Community Intervention Trial (Marshall, Cerdá)

Role on Project: Subaward Principal Investigator

Dates: September 30, 2019 – September 29, 2024

Funding Agency: National Institutes of Health; R01 DA046620

Funding: \$312,692

Description: Predict neighborhoods at high risk for opioid overdose, and conduct a randomized trial of leveraging this predictive tool to target overdose prevention resources throughout Rhode Island.

Community violence and disparities in maternal and infant health: effects and mechanisms (Ahern)

Role on Project: Principal Investigator

Dates: March 1, 2020 – February 28, 2024

Funding Agency: National Institutes of Health; R01 HD098138

Funding: \$2,498,899

Description: Determine the effects of chronic and acute aspects of community violence on maternal and infant health and racial/ethnic health disparities, and identify underlying psychological, behavioral and biological mechanisms of effect using statewide data for California on over 6 million mothers and infants over more than a decade.

Supplement to Community violence and disparities in maternal and infant health: effects and mechanisms (Ahern)

Role on Project: Principal Investigator

Dates: March 1, 2022 – February 28, 2023

Funding Agency: National Institutes of Health; Administrative Supplement

Funding: \$717,129

Description: The goal of this proposed supplement are to determine impacts of the COVID-19 pandemic on health among birth parents, and determine how the COVID-19 pandemic modifies the effect of community violence on health and racial/ethnic health disparities for birth parents.

Social determinants of sexual health among Latinx adolescents and emerging adults in an agricultural community (Minnis)

Role on Project: Consultant

Dates: April 1, 2021 – March 31, 2026

Funding Agency: National Institutes of Health; R01 HD075787

Funding: \$3,081,400

Description: The goal of this study is to identify social environment influences on sexual health among Latinx youth residing in an agricultural community as they transition from adolescence to emerging adulthood.

Robust and novel data infrastructure to catalyze research on violence in the US (Ahern)

Role on Project: Principal Investigator

Dates: March 1, 2022 – April 30, 2027

Funding Agency: Chan Zuckerberg Biohub Investigator Program

Funding: \$1,000,000

Description: To investigate and cultivate a broad array of established and novel data sources to capture different forms of violence, and conduct research to identify policies and programs that are effective for violence reduction.

PENDING

Identifying Policies to Close Child Maltreatment Disparities (Mason)

Role on Project; Co-Investigator

Dates: July 1, 2022 – June 30, 2027

Funding Agency: National Institutes of Health

Funding: \$3,829,092

Description: To work collaboratively with community members and practitioners affected by child maltreatment disparities to develop a rigorous evidence base identifying policies that can achieve widespread and equitable primary prevention of maltreatment.

SELECTED CONTRIBUTIONS

PUBLICATIONS

Peer-reviewed manuscripts

Published

1. Lyons J, **Ahern J**, McClelland J, Valiela I. Macrophyte abundances in Waquoit Bay estuaries subject to different nutrient loads and the potential role of fringing salt marsh in ground water nitrogen interception. *Biological Bulletin* 1995;189(2):255-256.
2. **Ahern J**, Lyons J, McClelland J, Valiela I. Invertebrate response to nutrient-induced changes in macrophyte assemblages in Waquoit Bay. *Biological Bulletin* 1995;189(2):241-242.

3. Lin M, **Ahern J**, Grimes M, Gershon RRM. The use of quality improvement techniques to determine risk factors for back injuries among hospital workers. *Clinical Performance and Quality Health Care* 1998;6(1):23-27.
4. Latka M, **Ahern J**, Garfein R, Ouellet L, Kerndt P, Morse P, Farshy C, Des Jarlais D, Vlahov D, for the Collaborative Injection Drug User Study (CIDUS) Group. Prevalence and correlates of chlamydia and gonorrhea among young adult injection drug users. *Journal of Substance Abuse* 2001;13(1-2):73-88.
5. Galea S, **Ahern J**, Fuller C, Freudenberg N, Vlahov D. Needle exchange programs and experience of violence in an inner-city neighborhood. *Journal of Acquired Immune Deficiency Syndromes* 2001;28(3):282-288.
6. Galea S, **Ahern J**, Resnick H, Kilpatrick D, Bucuvalas M, Gold J, Vlahov D. Psychological sequelae of the September 11 terrorist attacks in New York City. *New England Journal of Medicine* 2002;346(13):982-987.
7. Galea S, **Ahern J**, Tardiff K, Leon AC, Vlahov D. Drugs and firearm deaths in New York City, 1990-1998. *Journal of Urban Health* 2002;79(1):70-86.
8. Vlahov D, Galea S, Resnick H, **Ahern J**, Boscarino JA, Bucuvalas M, Gold J, Kilpatrick D. Increased use of cigarettes, alcohol, and marijuana among Manhattan, New York, residents after the September 11th terrorist attacks. *American Journal of Epidemiology* 2002;155(11):988-996.
9. Pickett KE, **Ahern J**, Selvin S and Abrams B. Neighborhood socioeconomic status, maternal race and preterm delivery: A case-control study. *Annals of Epidemiology* 2002;12:410-418.
10. Boscarino JA, Galea S, **Ahern J**, Resnick H, Vlahov D. Utilization of mental health services following the September 11th terrorist attacks in Manhattan, New York City. *International Journal of Emergency Mental Health* 2002;4(3):143-155.
11. Fagan J, Galea S, **Ahern J**, Vlahov D, Matte T. Self-reported increase in asthma severity following the September 11 attack on the World Trade Center - Manhattan, New York, 2001. *Morbidity and Mortality Weekly Reports* 2002;51(35):781-784.
12. Galea S, Resnick H, **Ahern J**, Gold J, Bucuvalas M, Kilpatrick D, Stuber J, Vlahov D. Post-traumatic stress disorder in Manhattan, New York City, after the September 11th terrorist attacks. *Journal of Urban Health* 2002;79(3):340-353.
13. Coffin PO, **Ahern J**, Dorris S, Stevenson L, Fuller C, Vlahov D. More pharmacists in high-risk neighborhoods of New York City support selling syringes to injection drug users. *Journal of the American Pharmaceutical Association* 2002;42(6 Suppl 2):S62-S67.
14. Fuller CM, **Ahern J**, Vadnai L, Coffin P, Galea S, Factor S, Vlahov D. Impact of increased syringe access: Preliminary findings on injection drug user syringe source, disposal, and pharmacy sales in Harlem, New York. *Journal of the American Pharmaceutical Association* 2002;42(6 Suppl 2):S77-S82.
15. **Ahern J**, Galea S, Resnick H, Kilpatrick D, Bucuvalas M, Gold J, Vlahov D. Television images and psychological symptoms after the September 11 terrorist attacks. *Psychiatry* 2002;65(4):289-300.
16. Boscarino JA, Galea S, **Ahern J**, Resnick H, Vlahov D. Psychiatric medication use among Manhattan residents following the World Trade Center disaster. *Journal of Traumatic Stress* 2003;16(3):301-306.
17. Galea S, **Ahern J**, Vlahov D, Coffin PO, Fuller C, Leon AC, Tardiff K. Income distribution and risk of fatal drug overdose in New York City neighborhoods. *Drug and Alcohol Dependence* 2003;70:139-148.
18. Coffin PO, Galea S, **Ahern J**, Leon AC, Vlahov D, Tardiff D. Opiates, cocaine and alcohol combinations in accidental drug overdose deaths in New York City, 1990-1998. *Addiction* 2003;98(6):739-47.
19. Galea S, **Ahern J**, Tardiff K, Leon A, Coffin PO, Derr K, Vlahov D. Racial/Ethnic disparities in overdose mortality trends in New York City, 1990-1998. *Journal of Urban Health* 2003;80(2):201-11.

20. **Ahern J**, Pickett KE, Selvin S, Abrams B. Preterm birth among African American and White women: A multilevel analysis of socioeconomic characteristics and cigarette smoking. *Journal of Epidemiology and Community Health* 2003;57(8):606-11.
21. Galea S, Vlahov D, Resnick H, **Ahern J**, Susser E, Gold J, Bucuvalas M, Kilpatrick D. Trends of probable post-traumatic stress disorder in New York City after the September 11 terrorist attacks. *American Journal of Epidemiology* 2003;158:514-24.
22. Minior T, Galea S, Stuber J, **Ahern J**, Ompad D. Racial differences in discrimination experiences and responses among minority substance users. *Ethnicity and Disease* 2003;13(4):521-7.
23. Pulcino T, Galea S, **Ahern J**, Resnick H, Foley M, Vlahov D. Posttraumatic stress in women after the September 11th terrorist attacks in New York City. *Journal of Womens Health* 2003;12(8):809-20.
24. Fagan J, Galea S, **Ahern J**, Bonner S, Vlahov D. Relationship of self-reported asthma severity and urgent health care utilization to psychological sequelae of the September 11, 2001 terrorist attacks on the World Trade Center among New York City area residents. *Psychosomatic Medicine* 2003;65:993-6.
25. Rudenstine S, Galea S, **Ahern J**, Felton C, Vlahov D. Awareness and perceptions of a community-wide mental health program 4-5 months after the September 11 terrorist attacks on New York City. *Psychiatric Services* 2003; 54(10):1404-6.
26. Fernandez WG, Galea S, **Ahern J**, Koci B, Waldman RJ, Vlahov D. Mental health status among ethnic Albanians seeking medical care in an emergency department two years after the war in Kosovo: a pilot project. *Annals of Emergency Medicine* 2004; 43(2):E1-E8.
27. Stuber J, Galea S, **Ahern J**, Blaney S, Fuller C. The Association between multiple domains of discrimination and self-assessed health: A multilevel analysis of Latinos and Blacks in four low-income NYC neighborhoods. *Health Services Research* 2003;38(6 Pt 2):1735-59.
28. Galea S, **Ahern J**, Vlahov D. Contextual determinants of drug use risk behavior: A theoretic framework. *Journal of Urban Health* 2003;80(Suppl 3):III50-III58.
29. Vlahov D, Galea S, **Ahern J**, Resnick H, Kilpatrick D. Sustained increased consumption of cigarettes, alcohol and marijuana among Manhattan residents following the events of September 11, 2001. *American Journal of Public Health* 2004;94(2):253-4.
30. Boscarino JA, Galea S, Adams R, **Ahern J**, Resnick H, Vlahov D. Mental health service and psychiatric medication use following the terrorist attacks in New York City. *Psychiatric Services* 2004;55:274-83.
31. **Ahern J**, Galea S, Resnick H, Vlahov D. Television images and probable PTSD after September 11: The role of background characteristics, event exposures and peri-event panic. *Journal of Nervous and Mental Disease* 2004;192:217-26.
32. Nelson BD, Fernandez WG, Galea S, Sisco S, Dierberg K, Gorgieva GS, Nandi AK, **Ahern J**, Mitrovic M, VanRooyen M, Vlahov D. War-related psychological sequelae among emergency department patients in the former Republic of Yugoslavia. *BMC Medicine* 2004;2(22).
33. Edwards Y, **Ahern J**. Unequal treatment in state Supreme Courts: minority and city schools in education finance reform litigation. *New York University Law Review* 2004;79:326-66.
34. Vlahov D, Galea S, **Ahern J**, Resnick H, Boscarino JA, Gold J, Bucuvalas M, Kilpatrick D. Consumption of cigarettes, alcohol, and marijuana among New York City residents six months after the September 11 terrorist attacks. *American Journal of Drug and Alcohol Abuse* 2004;30:385-407.
35. Nandi A, Galea S, Tracy M, **Ahern J**, Resnick H, Gershon R, Vlahov D. Job loss, unemployment, work stress, job satisfaction and the persistence of PTSD one year after the September 11 attacks. *Journal of Occupational and Environmental Medicine* 2004;46(10):1057-64.

36. **Ahern J**, Galea S, Fernandez WG, Koci B, Waldman R, Vlahov D. Gender, social support, and posttraumatic stress in postwar Kosovo. *Journal of Nervous and Mental Disease* 2004;192(11):762-70.
37. **Ahern J**, Galea S, Resnick H, Vlahov D. Television watching and mental health in the general population of New York City after September 11. *Journal of Aggression, Maltreatment and Trauma* 2004;9(1/2):109-124.
38. Hembree C, Galea S, **Ahern J**, Tracy M, Markham Piper T, Miller J, Vlahov D, Tardiff KJ. The urban built environment and overdose mortality in New York City neighborhoods. *Health and Place* 2005;11(2):147-56.
39. Vlahov D, **Ahern J**, Vazquez T, Johnson S, Philips LA, Mitchell MK, Freeman H. Racial ethnic differences in screening for colon cancer: report from the New York Cancer Project. *Ethnicity and Disease* 2005;15(1):76-83.
40. Galea S, **Ahern J**, Karpati A. A model of underlying socioeconomic vulnerability in human populations: evidence from variability in population health and implications for public health. *Social Science and Medicine* 2005;60:2417-2430.
41. Young M, Stuber J, **Ahern J**, Galea S. Interpersonal discrimination and the health of illicit drug users. *American Journal of Drug and Alcohol Abuse* 2005;31:371-91.
42. Miller JR, Markham Piper T, **Ahern J**, Tracy M, Tardiff KJ, Vlahov D, Galea S. Income inequality and risk of suicide in New York City neighborhoods: A multilevel case-control study. *Suicide and Life Threatening Behavior* 2005;35(4):448-459.
43. Galea S, **Ahern J**, Rudenstine S, Wallace Z, Vlahov D. The urban built environment and depression: a multilevel analysis. *Journal of Epidemiology and Community Health* 2005;59:822-827.
44. Bryant WK, Ompad DC, **Ahern J**, Wu Y, Vlahov D, Galea S. Period and birth cohort effects in age of first phencyclidine (PCP) use among drug users in New York City, 1960-2000. *Annals of Epidemiology* 2005; 16(4):266-72.
45. Fernandez WG, Galea S, Miller J, **Ahern J**, Chiang W, Kennedy EL, Garritano J. Health status among emergency department patients approximately one year after consecutive disasters in New York City. *Academic Emergency Medicine* 2005;12:958-964.
46. Galea S, **Ahern J**. Distribution of education and population health: an ecological analysis of New York City neighborhoods. *American Journal of Public Health* 2005;95(12):2198-205.
47. Nandi A, Galea S, **Ahern J**, Vlahov D. Probable cigarette dependence, PTSD, and depression after an urban disaster: results from a population survey of New York City residents 4 months after September 11, 2001. *Psychiatry* 2005;68(4):299-310.
48. Bonner S, Matte T, Rubin M, Fagan JK, **Ahern J**, Evans D. Oral β 2-agonist use by preschool children with asthma in East and Central Harlem, New York. *Journal of Asthma* 2006; 43(1):31-5.
49. Nandi A, Galea S, **Ahern J**, Bucciarelli A, Vlahov D, Tardiff K. What explains the association between neighborhood-level income inequality and the risk of fatal overdose in New York City? *Social Science Medicine* 2006; 63(3):662-74.
50. Lawyer SR, Resnick HS, Galea S, **Ahern J**, Kilpatrick DG, Vlahov V. Predictors of peritraumatic reactions and PTSD following September 11th terrorist attacks. *Psychiatry* 2006;69(2):130-41.
51. Vlahov D, Galea S, **Ahern J**, Resnick H, Kilpatrick D, Crum RM. Alcohol drinking problems among New York City residents after the September 11 terrorist attacks. *Substance Use and Misuse* 2006;41(9):1295-1311.
52. **Ahern J**, Galea S. Social context and depression after a disaster: The role of income inequality. *Journal of Epidemiology and Community Health* 2006;60:766-70.

53. Wallace R, Wallace D, **Ahern J**, Galea S. A failure of resistance: Estimating response of New York City's public health ecosystem to sudden disaster. *Health and Place* 2007;13:545-50.
54. Bernstein KT, **Ahern J**, Tracy M, Boscarino JA, Vlahov D, Galea S. Television watching and the risk of incident probable post-traumatic stress disorder after a disaster: A prospective evaluation. *Journal of Nervous and Mental Disease* 2007;195:41-7.
55. Galea S, **Ahern J**, Tracy M, Vlahov D. Neighborhood income and income distribution and the use of cigarettes, alcohol, and marijuana. *American Journal of Preventive Medicine* 2007;32(6S):S195-S202.
56. Galea S, **Ahern J**, Nandi A, Tracy M, Beard J, Vlahov D. Urban neighborhood poverty and the incidence of depression in a population-based cohort study. *Annals of Epidemiology* 2007;17:171-9.
57. **Ahern J**, Stuber J, Galea S. Stigma, discrimination and the health of illicit drug users. *Drug and Alcohol Dependence* 2007;88:188-96.
58. Galea S, **Ahern J**, Tracy M, Rudenstein S, Vlahov D. Education inequality and use of cigarettes, alcohol, and marijuana. *Drug and Alcohol Dependence* 2007; 90S:S4-S15.
59. Bernstein KT, Galea S, **Ahern J**, Vlahov D. The built environment and alcohol consumption in urban neighborhoods. *Drug and Alcohol Dependence* 2007;91:244-52.
60. **Ahern J**, Galea S, Hubbard A, Karpati A. Population vulnerabilities and capacities related to health: a test of a model. *Social Science and Medicine* 2008;66:691-703.
61. Galea S, **Ahern J**, Tracy M, Hubbard A, Cerda M, Goldmann E, Vlahov D. Longitudinal determinants of posttraumatic stress in a population-based cohort study. *Epidemiology* 2008;19:47-54.
62. **Ahern J**, Galea S, Hubbard A, Midanik L, Syme SL. "Culture of drinking" and individual problems with alcohol use. *American Journal of Epidemiology* 2008;167:1041-9.
63. Beard J, Cerda M, Blaney S, **Ahern J**, Vlahov D, Galea S. Neighborhood characteristics and change in symptoms of depression among older residents of New York City. *American Journal of Public Health* 2009;99:1308-14.
64. Catalano R, **Ahern J**, Bruckner T, Anderson E, Saxton K. Gender-specific selection in utero among contemporary human birth cohorts. *Pediatric and Perinatal Epidemiology* 2009;23:273-278.
65. **Ahern J**, Jones MR, Bakshis E, Galea S. Revisiting Rose: Comparing the benefits and costs of population-wide and high-risk interventions. *Milbank Quarterly* 2008;86:581-600.
66. **Ahern J**, Galea S, Hubbard A, Syme SL. Neighborhood smoking norms modify the relation between collective efficacy and smoking behavior. *Drug and Alcohol Dependence* 2009;100:138-45.
67. **Ahern J**, Galea S, Hubbard A. Estimating the effects of potential public health interventions on population disease burden: a step-by-step illustration of causal inference methods. *American Journal of Epidemiology* 2009;169:1140-7.
68. Hubbard AE, **Ahern J**, Fleischer NL, van der Laan M, Lippman SA, Jewell N, Bruckner T, Satariano WA. To GEE or not to GEE: comparing population average and mixed models for estimating the associations between neighborhood risk factors and health. *Epidemiology* 2010;21:467-74.
69. Bruckner T, Catalano R, **Ahern J**. Male fetal loss in the U.S. following the terrorist attacks of September 11, 2001. *BMC Public Health* 2010;10(1):273.
70. Lê F, **Ahern J**, Galea S. Neighborhood education inequality and drinking behavior. *Drug and Alcohol Dependence* 2010;112:18-26.
71. **Ahern J**, Galea S. Collective efficacy and major depression in urban neighborhoods. *American Journal of Epidemiology* 2011; 173:1453-62.
72. Modrek S, **Ahern J**. Longitudinal relation of community-level income inequality and mortality in Costa Rica. *Health and Place* 2011;17:1249-57.

73. Margerison-Zilko C, Catalano R, Hubbard A, **Ahern J**. Exposure to unexpected economic contraction during gestation and birth weight for gestational age. *Epidemiology* 2011;22:855-8.
74. Karasek D, **Ahern J**, Galea S. Social norms, collective efficacy, and smoking cessation in urban neighborhoods. *American Journal of Public Health* 2012;102:343-51.
75. Worthen M, Moos R, **Ahern J**. Afghanistan and Iraq war veterans' experiences living with their parents after separation from the military. *Contemporary Family Therapy* 2012;34:362-75.
76. **Ahern J**, Cerda M, Lippman S, Tardiff K, Vlahov D, Galea S. Navigating non-positivity in neighborhood studies: an analysis of collective efficacy and violence. *Journal of Epidemiology and Community Health* 2013;67:159-65.
77. Gerdtts C, Vohra D, **Ahern J**. Measuring unsafe abortion-related mortality: a systematic review of existing methods. *PLoS ONE* 2013;8(1): e53346.
78. **Ahern J**, Margerison-Zilko C, Hubbard A, Galea S. Alcohol outlets and binge drinking in urban neighborhoods: the implications of non-linearity for intervention and policy. *American Journal of Public Health* 2013;103(4):e81-7.
79. Leslie HH, **Ahern J**, Chinaglia M, Kerrigan D, Lippman S. Social participation and drug use in a cohort of Brazilian sex workers. *Journal of Epidemiology and Community Health* 2013;67:491-7.
80. Worthen M, **Ahern J**. The causes, course, and consequences of anger problems in veterans returning to civilian life. *Journal of Loss and Trauma* 2013; DOI:10.1080/15325024.2013.788945.
81. Subbaraman MS, Lendle S, van der Laan M, Kaskutas LA, **Ahern J**. Cravings as a mediator and moderator of drinking outcomes in the COMBINE Study. *Addiction* 2013;108:1737-44.
82. Worthen M, Rathod SD, Cohen G, Ursano R, Gifford R, Fullerton C, Galea S, **Ahern J**. Anger problems and posttraumatic stress disorder in National Guard and Reserve service members. *Journal of Psychiatric Research* 2014;55:52-8. doi: 10.1016/j.jpsychires.2014.04.004.
83. Cerda M, Tracy M, **Ahern J**, Galea S. Addressing population health and health inequalities: the role of fundamental causes. *American Journal of Public Health* 2014;104:S609-S619. doi:10.2105/AJPH.2014.302055.
84. **Ahern J**, Balzer LB, Galea S. The roles of outlet density and norms in alcohol use disorder. *Drug and Alcohol Dependence* 2015; 151:144-50. doi:10.1016/j.drugalcdep.2015.03.014.
85. **Ahern J**, Worthen M, Masters J, Lippman S, Ozer E, Moos R. The challenges of Afghanistan and Iraq veterans' transition from military to civilian life and approaches to reconnection. *PLOS ONE* 2015; 10(7): e0128599. doi:10.1371/journal.pone.0128599.
86. Leslie HH, **Ahern J**, Pettifor AE, Twine R, Kahn K, Gómez-Olivé FX, Lippman SA. Collective efficacy, alcohol outlet density, and young men' alcohol use in rural South Africa. *Health and Place* 2015;34:190-8. doi: 10.1016/j.healthplace.2015.05.014.
87. Worthen M, Rathod SD, Cohen G, Sampson L, Ursano R, Gifford R, Fullerton C, Galea S, **Ahern J**. Anger and posttraumatic stress disorder in a trauma-exposed military population: differences by gender and trauma type. *Journal of Traumatic Stress* 2015;28:539-46. doi: 10.1002/jts.22050.
88. Pearl M, Balzer LB, **Ahern J**. Targeted estimation of marginal absolute and relative associations in case-control data: an application in social epidemiology. *Epidemiology* 2016;27(4):512-7 doi: 10.1097/EDE.0000000000000476
89. **Ahern J**, Karasek D, Luedtke AR, Bruckner TA, van der Laan MJ. Racial/ethnic differences in the role of childhood adversities for mental disorders among a nationally representative sample of adolescents. *Epidemiology* 2016;27(5):697-704. doi: 10.1097/EDE.0000000000000507

90. Chauhan P, **Ahern J**, Galea S, Keyes K. Neighborhood context and binge drinking by race and ethnicity in New York City. *Alcoholism: Clinical and Experimental Research* 2016;40:785-93. doi: 10.1111/acer.13011
91. Elliott JC, Delker E, Wall MM, Feng T, Aharonovich E, Tracy M, Galea S, **Ahern J**, Hasin DS. The importance of context: Neighborhood drinking norms and heavy drinking among HIV patients. *Journal of Acquired Immune Deficiency Syndromes* 2016;72:e55-7. doi: 10.1097/QAI.0000000000000982
92. Gerdtts C, **Ahern J**. Multiple bias analysis as a technique to address systematic error in measures of abortion-related mortality. *Population Health Metrics* 2016;14:9. doi: 10.1186/s12963-016-0075-3
93. Colson KE, Rudolph K, Zimmerman SC, Goin DE, Stuart EA, van der Laan M, **Ahern J**. Optimizing matching and analysis combinations for estimating causal effects. *Scientific Reports* 2016;6, Article number: 23222. doi:10.1038/srep23222
94. Gao M, **Ahern J**, Koshland CP. Perceived built environment and health-related quality of life in four types of neighborhoods in Xi'an, China. *Health and Place* 2016;39:110-5. doi: 10.1016/j.healthplace.2016.03.008
95. Balzer LB, **Ahern J**, Galea S, van der Laan MJ. Estimating effects with rare outcomes and high dimensional covariates: knowledge is power. *Epidemiologic Methods* 2016. doi: 10.1515/em-2014-0020
96. Rendle KA, Thompson CA, **Ahern J**, Bauer HM, Wilson SR. Changes in adolescent HPV vaccination following incorporation into California's pay-for-performance program. *Journal of Patient-Centered Research and Reviews*. 2016;3:211.
97. Colson KE, Galin J, **Ahern J**. Spatial proximity to incidents of community violence is associated with fewer suicides in urban California. *Journal of Urban Health* 2016;93:770-796. doi:10.1007/s11524-016-0072-7
98. Elliott JC, Delker E, Wall MM, Feng T, Aharonovich E, Tracy M, Galea S, **Ahern J**, Sarvet AL, Hasin DS. Neighborhood-level drinking norms and alcohol intervention outcomes in HIV patients who are heavy drinkers. *Alcoholism: Clinical and Experimental Research* 2016;40:2240-2246. doi: 10.1111/acer.13198
99. Rudolph K, Colson KE, Stuart E, **Ahern J**. Optimally combining propensity score subclasses. *Statistics in Medicine* 2016;35:4937-47. doi: 10.1002/sim.7046
100. **Ahern J**, Colson KE, Margerison-Zilko C, Hubbard A, Galea S. Predicting the population health impacts of community interventions: the case of alcohol outlets and binge drinking. *American Journal of Public Health* 2016;106:1938-43. doi: 10.2105/AJPH.2016.303425
101. Galin J, Abrams B, Colson KE, Leonard SA, Goin D, **Ahern J**. Living in violent neighborhoods is associated with gestational weight gain outside the recommended range. *Paediatric and Perinatal Epidemiology* 2017;31:37-46. doi: 10.1111/ppe.12331
102. See I, Wesson P, Gualandi N, Dumyati G, Harrison LH, Leshner L, Nadle J, Petit S, Reisenauer C, Schaffner W, Tunali A, Mu Y, **Ahern J**. Socioeconomic factors explain racial disparities in invasive community-associated methicillin-resistant Staphylococcus aureus disease rates. *Clinical Infectious Diseases* 2017;64(5):597-604. doi: 10.1093/cid/ciw808
103. Matthey EC, Galin J, **Ahern J**. Changing patterns in rates and means of suicide in California, 2005 to 2013. *American Journal of Public Health* 2017;107(3):427-429. doi: 10.2105/AJPH.2016.303624
104. Goin DE, Rudolph KE, **Ahern J**. Impact of drought on crime in California: A synthetic control approach. *PLOS ONE* 2017; 12(10): e0185629.
105. Matthey EC, Galin J, Rudolph KE, Farkas K, Wintemute G, **Ahern J**. In-state and interstate associations between gun shows and firearm deaths and injuries in California: a quasi-experimental study. *Annals of Internal Medicine* 2017;167(12):837-844. doi: 10.7326/M17-1792.
 - Recognized as Best of *Annals* 2017

- 2017 winner of the Tyroler Student Prize Paper Award from the Society for Epidemiologic Research
106. Worthen M, Rathod SD, Cohen G, Sampson L, Ursano R, Gifford R, Fullerton CS, Galea S, **Ahern J**. Risk and protective factors for difficulty controlling violent behavior in National Guard and Reserve service members. *Journal of Interpersonal Violence* 2017. doi: 10.1177/0886260517737552
 107. Rudolph KE, Schmidt NM, Glymour MM, Crowder R, Galin J, **Ahern J**, Osypuk TL. Composition or context: using transportability to understand drivers of site differences in a large-scale housing experiment. *Epidemiology* 2018;29(2):199-206. doi: 10.1097/EDE.0000000000000774.
 108. Rudolph KE, Sofrygin O, Schmidt NM, Crowder R, Glymour MM, **Ahern J**, Osypuk TL. Mediation of neighborhood effects on adolescent substance use by the school and peer environments in a large-scale housing voucher experiment. *Epidemiology* 2018;29(4):590–8. doi: 10.1097/EDE.0000000000000832.
 - 2018 winner of the Lilienfeld Postdoctoral Paper Prize Award from the Society for Epidemiologic Research
 109. Goin DE, Rudolph KE, **Ahern J**. Predictors of firearm violence in urban communities: A machine-learning approach. *Health and Place*. 2018;51:61-67. doi: 10.1016/j.healthplace.2018.02.013.
 110. Platt J, McLaughlin KA, Luedtke A, **Ahern J**, Kaufman A, Keyes K. Targeted estimation of the effects of childhood adversity on fluid intelligence in a U.S. population sample of adolescents. *American Journal of Epidemiology*. 2018;187(7):1456–1466, doi: 10.1093/aje/kwy006.
 111. **Ahern J**, Matthay EC, Goin DE, Farkas K, Rudolph KE. Acute changes in community violence and increases in deaths and hospital visits due to stress-responsive diseases. *Epidemiology*. 2018;29:684–691. doi: 10.1097/EDE.0000000000000879.
 112. Matthay EC, Farkas K, Skeem J, **Ahern J**. Exposure to community violence and self-harm in California: A multi-level population-based case-control study. *Epidemiology*. 2018;29:697-706. doi: 10.1097/EDE.0000000000000872.
 113. Pearl M, **Ahern J**, Hubbard A, Laraia B, Shrimali B, Kharrazi M. Life-course neighborhood poverty and racial-ethnic disparities in risk of preterm birth. *Pediatric and Perinatal Epidemiology*. 2018;32:412-9. doi: 10.1111/ppe.12482
 114. Yette E, **Ahern J**. Health-related quality of life among black sexual minority women. *American Journal of Preventive Medicine*. 2018;55(3):281-9. doi: 10.1016/j.amepre.2018.04.037
 115. Lippman SA, Leddy A, Neilands T, **Ahern J**, MacPhail C, Peacock D, Goin D, Gómez-Olivé XF, Selin A, Kahn K, Pettifor A. Village community mobilization is associated with reduced HIV incidence in young South African women participating in the HPTN 068 study cohort. *Journal of the International AIDS Society*. 2018;21(S7):e25182. doi: 10.1002/jia2.25182
 116. Matthay EC, Rudolph KE, Goin DE, Farkas K, Skeem J, **Ahern J**. Within-community variation in community violence and risk of self-harm in California: a population-based case-crossover study. *Epidemiology*. 2019;30(2):e5-e7. doi: 10.1097/EDE.0000000000000949.
 117. Leddy AM, Lippman SA, Nielands TB, **Ahern J**, DeLong SM, Gómez-Olivé FX, Twine R, MacPhail C, Kahn K, Pettifor A. Community collective efficacy is associated with reduced physical intimate partner violence incidence in the HPTN 068 cohort. *Journal of Epidemiology and Community Health*. 2019;73(2):176-181. doi: 10.1136/jech-2018-211357
 118. Goin DE, Gomez AM, Farkas K, Zimmerman S, Matthay EC, **Ahern J**. Exposure to community homicide during pregnancy and preterm birth: A within-community matched design. *Epidemiology*. 2019;30(5):713-722. doi: 10.1097/EDE.0000000000001044.
 119. Farkas K, Matthay EC, Rudolph KE, Goin DE, **Ahern J**. Mental and substance use disorders among legal intervention injury cases in California, 2005-2014. *Preventive Medicine*. 2019;121:136-140. doi: 10.1016/j.ypmed.2019.01.003.

120. Turner C, **Ahern J**, Santos G-M, Arayasirikul, Wilson EC. Parent/caregiver responses to gender identity associated with HIV-related sexual risk behavior among young trans women in San Francisco. *Journal of Adolescent Health* 2019;65:491-7. doi:10.1016/j.jadohealth.2019.04.032
121. Rowe C, Matthay EC, **Ahern J**. Nonfatal assault injury trends in California, 2005 to 2015. *Journal of Interpersonal Violence*. 2019. doi: 10.1177/0886260518825287
122. Matthay EC, Farkas K, **Ahern J**. Racial and ethnic differences in associations of community violence with self-harm: A population-based case-control study. *Annals of Epidemiology*. 2019;34:71-74. doi: 10.1016/j.annepidem.2019.04.004.
123. Stoner M, Nielands TB, Kahn K, Hughes JP, Gómez-Olivé FX, Twine R, Tollman S, Laeyendecker O, MacPhail C, **Ahern J**, Lippman SA, Pettifor A. Multilevel measures of education and pathways to incident Herpes Simplex Virus Type 2 in adolescent girls and young women in South Africa. *Journal of Adolescent Health*. 2019;65: 723-9. doi: 10.1016/j.jadohealth.2019.06.008.
124. Matthay EC, Farkas K, Rudolph KE, Zimmerman S, Barragan M, Goin DE, **Ahern J**. Association of the Operation Peacemaker Fellowship in Richmond, California with population-level firearm and nonfirearm homicide and assault: A quasi-experimental study. *American Journal of Public Health*. 2019:e1-e7. doi: 10.2105/AJPH.2019.305288.
125. Goin DE, Pearson RM, Craske MG, Stein A, Pettifor A, Lippman SA, Kahn K, Nielands TB, Hamilton EL, Selin A, MacPhail C, Wagner RG, Gómez-Olivé FX, Twine R, Hughes HP, Agyei Y, Laeyendecker O, Tollman S, **Ahern J**. Depression and incident HIV in adolescent girls in HPTN 068: Targets for prevention and mediating factors. *American Journal of Epidemiology*. 2019 doi: 10.1093/aje/kwz238.
126. Wesson P, Lippman SA, Nielands TB, Twine R, **Ahern J**, Gómez-Olivé FX, Peacock D, MacPhail C, Kahn K, Pettifor A. Multi-level gender equitable norms and risk of HIV and HSV-2 infection among young South African women: a longitudinal analysis of the HPTN 068 cohort. *Journal of Adolescent Health*. 2019;65:730-737. <https://doi.org/10.1016/j.jadohealth.2019.07.010>
127. Goin DE, **Ahern J**. Identification of spikes in timeseries. *Epidemiologic Methods*. 2019. <https://doi.org/10.1515/em-2018-0005>
128. Rudolph KE, Levy J, **Ahern J**, Schmidt N, Stuart E. Using transportability to understand differences in mediation mechanisms across trial sites: applying a novel estimation approach to a large-scale housing voucher experiment. *Epidemiology*. 2020;31(4):523-33. doi: 10.1097/EDE.0000000000001191
129. Goin D, Rudolph KE, Gomez A, **Ahern J**. Mediation of firearm violence and preterm birth by pregnancy complications and health behaviors: Addressing structural and post-exposure confounding. *American Journal of Epidemiology*. 2020;189(8):820-31. <https://doi.org/10.1093/aje/kwaa046>
- 2019 finalist for the Tyroler Student Prize Paper Award from the Society for Epidemiologic Research
130. Phillips AZ, Rodriguez HP, Kerr WC, **Ahern J**. Washington's Liquor License System and Alcohol-Related Adverse Health Outcomes. *Addiction*. 2021;116(5): 1043-53. <http://dx.doi.org/10.1111/add.15234>
131. Phillips AZ, **Ahern J**, Kerr WC, Rodriguez HP. Cigarettes smoked among daily and nondaily smokers following CVS Health's tobacco-free pharmacy policy. *Tobacco Control*. 2020 Oct 20. <http://dx.doi.org/10.1136/tobaccocontrol-2020-055976>
132. Stoner MCD, Westreich D, **Ahern J**, Edwards J, Gómez-Olivé FX, Tollman SM, Lippman SA, Kahn K, Pettifor A. Modeling combination interventions to prevent Human Immunodeficiency Virus in adolescent girls and young women in South Africa (HIV Prevention Trials Network 068). *Clinical Infectious Diseases*. 2020 Dec 16. <https://doi.org/10.1093/cid/cia1598>
133. Goin DE, Gomez AM, Farkas K, Duarte C, Karasek D, Chambers B, Jackson AV, **Ahern J**. Occurrence of fatal police violence during pregnancy and hazard of preterm birth in California. *Pediatric and Perinatal Epidemiology*. 2021;35(4):469-78. doi: 10.1111/ppe.12753

134. Stoner MCD, Edwards J, Westreich D, Kilburn K, **Ahern J**, Lippman SA, Gómez-Olivé FX, Kahn K, Pettifor A. Modelling cash plus other psychosocial and structural interventions to prevent HIV among girls of school age in South Africa (HPTN 068). *AIDS and Behavior*. 2021 Jan 8. <https://doi.org/10.1007/s10461-021-03158-3>
135. Skrobarcek KA, **Ahern J**, Basiliere E, Beldavs ZG, Brousseau G, Dumyati G, Fridkin S, Holdbauer SM, Johnston H, Kainer MA, Meek J, O'Campo VLS, Park E, Perlmutter R, Phipps EC, Winston L, Guh A. Association between Socioeconomic Status and Incidence of Community-Associated *Clostridioides difficile* Infection — United States, 2014–2015. *Clinical Infectious Diseases*. 2021;73(4):722–5. <https://doi.org/10.1093/cid/ciab042><https://doi.org/10.1093/cid/ciab042>
136. Matthay EC, Farkas K, Goin DE, Rudolph KE, Pear VA, **Ahern J**. Associations of firearm dealer openings with firearm self-harm deaths and injuries: a difference-in-differences analysis. *PLOS One*. 2021 Mar 18. <https://doi.org/10.1371/journal.pone.0248130>
137. Holmen J, Kim L, Cikesh B, Kirley PD, Chai S, Bennett N, Felsen C, Ryan P, Monroe M, Anderson E, Openo K, Como-Sabetti K, Bye E, Talbot HK, Schaffner W, Muse A, Barney G, Whitaker M, **Ahern J**, Rowe C, Langley G, Reingold A. Relationship between neighborhood census-tract level socioeconomic status and Respiratory Syncytial Virus (RSV)-associated hospitalizations in U.S. adults, 2015-2017. *BMC Infectious Diseases*. 2021; 21:293. <https://doi.org/10.1186/s12879-021-05989-w>
138. Zimmerman S, Matthay EC, Rudolph KE, Goin DE, Farkas K, Rowe C, **Ahern J**. California's Mental Health Services Act and mortality due to suicide, homicide, and acute effects of alcohol: A synthetic control application. *American Journal of Epidemiology*. 2021; 190:2107-115. <https://doi.org/10.1093/aje/kwab123>
139. Pettifor A, Agnew E, Neilands TB, **Ahern J**, Tollman S, Kahn K, Lippman SA. Early Life Transitions Increase the Risk for HIV Infection: Using Latent Class Growth Models to Assess the Effect of Key Life Events on HIV Incidence Among Adolescent Girls in Rural South Africa. Policy Press Scholarship Online: September 2021. DOI:10.1332/policypress/9781529204827.003.0004
140. Rowe C, **Ahern J**, Hubbard A, Coffin PO. Evaluating buprenorphine prescribing and opioid-related health outcomes following the expansion of the buprenorphine waiver program. *Journal of Substance Abuse Treatment*. 2022; 132: 108452. <https://doi.org/10.1016/j.jsat.2021.108452>
141. Rowe C, Eagen K, **Ahern J**, Faul M, Hubbard A, Coffin P. Evaluating the effects of opioid prescribing policies on patient outcomes in a safety-net primary care clinic. *Journal of General Internal Medicine*. 2022; 37:117-24. doi: 10.1007/s11606-021-06920-4
142. Farkas K, Duarte CdP, **Ahern J**. Injuries to children and adolescents by law enforcement: Inequities and trends among California emergency room visits and hospitalizations, 2005-2017. *JAMA Pediatrics*. 2022; 176:89-91. doi:10.1001/jamapediatrics.2021.2939
143. Li CX, Matthay EC, Rowe C, Bradshaw PT, **Ahern J**. Conducting Density-Sampled Case-Control Studies using Survey Data with Complex Sampling Designs: A Simulation Study. *Annals of Epidemiology*. 2022; 65:109-15. <https://doi.org/10.1016/j.annepidem.2021.06.019>
144. Wesson P, Lippman SA, Neilands TB, **Ahern J**, Kahn K, Pettifor A. Evaluating the validity and reliability of the Gender Equitable Men's Scale using a longitudinal cohort of adolescent girls and young women in South Africa. *AIDS and Behavior*. 2022; 26:775-85. <https://doi.org/10.1007/s10461-021-03436-0>
145. Schell RC, Allen B, Goedel WC, Hallowell BD, Scagos R, Li Y, Krieger MS, Neill DB, Marshall BDL, Cerdá M, **Ahern J**. Machine learning to identify predictors of opioid overdose death at the neighborhood-level. *American Journal of Epidemiology*. 2022; 191:526-33. <https://doi.org/10.1093/aje/kwab279>
146. Marshall BDL, Alexander-Scott N, Yedinak JL, Hallowell B, Goedel WC, Allen B, Schell RC, Krieger MS, Pratty C, **Ahern J**, Neill DB, Cerdá M. Preventing overdose using information and data from the

- environment (PROVIDENT): Protocol for a randomised, population-based, community intervention trial. *Addiction*. 2022;117:1152-62. DOI: 10.1111/add.15731
147. Brantingham PJ, Tita GE, Jung S, **Ahern J**. Assessment of case fatality rates and overall prevalence of firearm violence in California, 2005-2019. *JAMA Network Open*. 2022;5:e2145442. doi:10.1001/jamanetworkopen.2021.45442
 148. Leddy AM, Nieland TB, Twine R, Kahn K, **Ahern J**, Pettifor A, Lippman SA. Examining mediators of the relationship between community mobilization and HIV incidence among young South African women participating in the HPTN 068 study cohort. *AIDS and Behavior* 2022;26(5):1347-1354 DOI: 10.1007/s10461-021-03491-7
 149. Pear VA, Wintemute GJ, Jewell NP, **Ahern J**. Firearm violence following implementation of California's gun violence restraining order law. *JAMA Network Open*. 2022 Apr 1;5(4):e224216. doi: 10.1001/jamanetworkopen.2022.4216
 150. Riddell CA, Neumann K, Santaularia J, Farkas K, **Ahern J**, Mason SM. Excess Google Searches for Child Abuse and Intimate Partner Violence During the Covid-19 Pandemic: An Inveillance Approach. *Journal of Medical Internet Research*. 2022;24(6):e36445. doi: 10.2196/36445
 151. Jayaweera RT, Goin DE, Twine R, Neilands TB, Wagner RG, Lippman SA, Kahn K, Pettifor A, **Ahern J**. WASH-related violence and depressive symptoms in adolescent girls and young women in HIV prevention trails network 068. *BMJ Open*. 2022;12:e061032. Doi: 10.1136/bmjopen-2022-061032

In Press

152. Jayaweera RT, Goin DE, Twine R, Neilands TB, Wagner R, Lippman SA, Kahn K, Pettifor A, **Ahern J**. Wash-related violence in HPTN 068: an understudied source of violence exposure. *American Journal of Tropical Medicine and Hygiene*. (In press)
153. Jayaweera R, Gerdt C, Wesson P, Motana R, Muñoz I, Bessenaar T, McFarland W, **Ahern J**. Respondent-Driven Sampling to Assess Cumulative Lifetime Incidence of Abortion in Soweto, South Africa: A Methodological Assessment. *American Journal of Epidemiology*. (In press)
154. Neumann K, Mason SM, Farkas K, Santaularia NJ, **Ahern J**, Riddell CA. Harnessing Google Health Trends API Data for Epidemiologic Research. *American Journal of Epidemiology*. (In press)
155. Jayaweera RT, Bradshaw P, Gerdt C, Egwuatu I, Grosso B, Kristianingrum I, Nmezi S, Zurbriggen R, **Ahern J**, Moseson H. A monte carlo sensitivity analysis to account for misclassification and selection bias in the estimation of effectiveness of self-managed abortion. *Epidemiology*. (In press)

Commentaries and letters

Published

1. Minior T, Galea S, Stuber J, **Ahern J**, Ompad D. For the patient. Does discrimination affect the mental health of substance abusers? *Ethnicity and Disease* 2003;13(4):549-50.
2. **Ahern J**, Pickett K. Authors' response to letter from Tam CC et al, "Ethnicity and epidemiologic research: not so black and white". *Journal of Epidemiology and Community Health* 2004;58(6):528-31.
3. Galea S, **Ahern J**. Considerations about specificity of association, causal pathways, and heterogeneity of association in multilevel thinking. *American Journal of Epidemiology* 2006;163(12):1079-82.
4. Galea S, **Ahern J**. Letter to AJPH in response to "Is educational inequality protective? A response to Galea and Ahern" by Spencer Moore, Mark Daniel, Yan Kestens. *American Journal of Public Health* 2007;97:9.
5. Cohen AK, **Ahern J**. How research on public school closures can inform research on public hospital closures. *Social Science and Medicine* 2014;114:197-9.

6. **Ahern J.** Population intervention measures to connect research findings to policy. *American Journal of Public Health* 2016;106:2152-3.
7. **Ahern J.** Start with the C-word, follow the roadmap for causal inference. *American Journal of Public Health*. 2018;108(5);621.
 - Invited podcast interview with *American Journal of Public Health* Editor in Chief, Dr. Alfredo Morabia <https://soundcloud.com/alfredomorabia/ajph-podcast-52018-the-c-word-causality-and-consequence-in-public-healthenglish>
8. Matthay EC, Galin J, Rudolph KE, Farkas K, Wintemute G, **Ahern J.** Associations between gun shows and firearm deaths and injuries. *Annals of Internal Medicine*. 2018;169(1):66. doi: 10.7326/L18-0105.
9. **Ahern J**, Matthay EC, Goin D, Farkas K, Rudolph KE. The authors respond to “Preventing community violence to prevent communities’ disease events: an efficient approach with short- and long-term potential.” *Epidemiology*. 2018;29: 695–696. doi: 10.1097/EDE.0000000000000881.
10. **Ahern J.** Minimum wage policy protects against suicide in the United States. *Journal of Epidemiology and Community Health*. 2020;74:873–874. doi: 10.1136/jech-2019-212981
11. **Ahern J**, Kaufman JS, Werler M. The Society for Epidemiologic Research’s Commitment to Diversity and Equity: Pathways to Filling the Glass. *American Journal of Epidemiology*. 2021;190(9):1727-9. doi: 10.1093/aje/kwab083.

Book chapters

Published

1. **Ahern J**, Galea S, Resnick H, Vlahov D. Television watching and mental health in the general population of New York City after September 11. In *The trauma of terrorism: Sharing knowledge and shared care, an international handbook*, ed. Y Danieli, D Brom, J Sills. Haworth Press 2005. p 109-24.
2. Galea S, **Ahern J**, Resnick H, Vlahov D. Post-traumatic stress symptoms in the general population after a disaster. Implications for public health: Evidence from a study of the NYC metropolitan area in the aftermath of September 11. In *9/11: Mental health in the wake of terrorist attacks*, ed. Y Neria, R Gross, RD Marshall, E Susser. Cambridge, UK: Cambridge University Press 2006. p 19-44.
3. Catalano R, **Ahern J**, Bruckner T. Estimating the health effects of macrosocial shocks: A collaborative approach. In *Macrosocial determinants of population health*, ed. S Galea. New York: Springer Press 2007. p 375-98.
4. Wallace D, Galea S, **Ahern J**, Wallace R. Death at an early age: AIDS and related mortality in New York City. In *Gene expression and its discontents. The social production of chronic disease*, R Wallace, D Wallace, R Wallace. New York: Springer Press 2010. p 161-80.
5. **Ahern J**, Galea S, Hubbard A. Estimating the effects of potential public health interventions on population disease burden: a step-by-step illustration of causal inference methods. *American Journal of Epidemiology* 2009;169:1140-7. Rpt. in *Data Inference in Observational Settings*, ed. P Davis. London: SAGE 2013.
6. **Ahern J**, Leslie HH. Life course approach to substance use. In *A life course approach to mental disorders*, ed. KC Koenen, S Rudenstine, S Galea, E Susser. Oxford: Oxford University Press 2014. p 133-40.
7. **Ahern J**, Hubbard A. A roadmap for estimating and interpreting population intervention parameters. In *Methods in social epidemiology*, ed. JM Oakes, JS Kaufman. San Francisco: Jossey-Bass 2017. p 432-57.

Reports

1. The Health of Incarcerated Women. *A report for the National Women's Health Network*. Providence, Rhode Island, May 1997.
2. Analysis of mental health utilization reimbursement costs related to the September 11, 2001 terrorist attacks. *A report for the American Red Cross*. New York City, New York, July 2004.

PRESENTATIONS

Academic conferences

1. Gershon RRM, Karkashian C, **Ahern J**, Escamilla A. Student-Life Stress and Negative Health Outcomes among Students in a Large Public High School. [Oral Presentation]. National Hartman Biennial Conference. Mystic, CT; May 1999.
2. Pickett KE, Abrams B, Selvin S, **Ahern J**. Area-level Social Context, Race/ethnicity and Preterm Birth: A Multi-level Case-Control Study. [Oral Presentation]. Society for Epidemiologic Research. Seattle, WA; June 2000.
3. **Ahern J**, Pickett KE, Selvin S, Abrams B. Preterm Birth among African American and White Women: A multilevel analysis of neighborhood socioeconomic risk factors and the role of cigarette smoking. [Oral Presentation]. American Public Health Association Meeting. Boston, MA; November 2000.
4. Galea S, **Ahern J**, Factor SH, Kawachi I, Vlahov D. Social cohesion and self-reported Mental and Physical health status in Harlem neighborhoods, New York City. [Oral Presentation]. Congress of Epidemiology. Toronto, ON; June, 2001.
5. **Ahern J**, Galea S, Factor SH, Fuller C, Vlahov D. Race, racism and neighborhood racial composition: mental health status in African-Americans in Harlem, New York City. [Oral Presentation]. Congress of Epidemiology. Toronto, ON; June 2001.
6. Galea S, Factor SH, **Ahern J**, Link BG, Vlahov D. Social determinants of health throughout the life-course: Childhood social conditions and the mental health status of inner-city drug users, Harlem, New York City. [Oral Presentation]. American Public Health Association Meeting. Atlanta, GA; October, 2001.
7. Galea S, Factor SH, **Ahern J**, Freudenberg N, Vlahov D. Perceived discrimination and mental health status among inner-city drug users in Harlem, New York City. [Oral Presentation]. American Public Health Association Meeting. Atlanta, GA; October, 2001.
8. Galea S, **Ahern J**, Resnick H, Kilpatrick D, Bucuvalas M, Gold J, Vlahov D. Psychological sequelae of the September 11 terrorist attacks in Manhattan, New York City. [Oral Presentation]. American Epidemiologic Society Annual Meeting. New York City, NY; March 2002.
9. Galea S, Tardiff KJ, **Ahern J**, Leon AC, Fuller C, Vlahov D. Neighborhood characteristics and risk of fatal drug overdose in New York City. [Poster Presentation]. College on Problems of Drug Dependency Scientific Assembly. Quebec City, PQ; June 2002.
10. Boscarino JA, Galea S, **Ahern J**, Resnick H, Vlahov D. Mental health utilization in Manhattan following the September 11th terrorist attacks. [Poster Presentation]. Society for Epidemiologic Research. Palm Desert, CA; June 2002.
11. Vlahov D, Galea S, Resnick H, **Ahern J**, Boscarino JA, Bucuvalas M, Gold J, Kilpatrick D. Increased consumption of cigarettes, alcohol, and marijuana among Manhattan residents after the September 11th terrorist attacks. [Poster Presentation]. Society for Epidemiologic Research. Palm Desert, CA; June 2002.

12. Galea S, Tardiff KJ, **Ahern J**, Leon AC, Fuller C, Vlahov D. Neighborhood characteristics and risk of fatal drug overdose in New York City. [*Poster Presentation*]. Society for Epidemiologic Research. Palm Desert, CA; June 2002. First Place Poster Prize
13. **Ahern J**, Galea S, Resnick H, Kilpatrick D, Bucuvalas M, Gold J, Vlahov D. Television images and psychological symptoms after the September 11 terrorist attacks. [*Poster Presentation*]. Society for Epidemiologic Research. Palm Desert, CA; June 2002.
14. Fuller C, **Ahern J**, Borrell LD, Galea S, Monserrate J, Factor S, Vlahov D. Predictors of transition from non-injection drug use among young drug users: A preliminary analysis. [*Poster Presentation*]. XIV International AIDS Conference. Barcelona, Spain; July 2002.
15. Galea S, Tardiff K, **Ahern J**, Leon AC, Vlahov D. Changing racial/ethnic disparities in homicide mortality in NYC 1990-98: The role of drugs. [*Poster Presentation*]. American College of Epidemiology Annual Meeting. Albuquerque, NM; September 2002. Third Place Poster Prize
16. Boscarino JA, Galea S, **Ahern J**, Resnick H, Vlahov D. Access to psychiatric services in New York City following the September 11th terrorist attacks. [*Oral Presentation*]. American College of Epidemiology Annual Meeting. Albuquerque, NM; September 2002.
17. **Ahern J**, Galea S, Vlahov D. Psychological impact of the September 11 attacks on Hispanics in Manhattan, NYC. [*Poster Presentation*]. American College of Epidemiology Annual Meeting. Albuquerque, NM; September 2002.
18. Bonner S, **Ahern J**, Fagan JK, Matte T, Meyer I, Evans D. Controlled trial of a Head Start center-based asthma education intervention. [*Poster Presentation*]. National Asthma Meeting: Living Well with Asthma. Atlanta, GA; October 2002.
19. Meyer IH, Matte T, Fagan JK, **Ahern J**, Bonner S, Mellins RB, Sheares B, Rubin M, Evans D. Validity of an asthma screen in children attending head start programs. [*Poster Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
20. Bonner S, Matte T, Fagan J, Myer I, **Ahern J**, Evans D. Asthma morbidity and medical management among children at preschool centers in East and Central Harlem, New York City. [*Poster Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
21. Fagan JK, Bonner S, Matte T, Meyer I, **Ahern J**, Evans D. Predictors of asthma related hospitalizations and emergency department admissions in preschool children over a 12 month period. [*Poster Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
22. Boscarino J, Galea S, **Ahern J**, Resnick H, Vlahov D. Psychiatric medication use and mental health utilization after the September 11th terrorist attacks in Manhattan, New York City. [*Oral Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
23. Galea S, **Ahern J**, Tardiff KJ, Coffin PO, Leon AC, Vlahov D. Poly-drug use and fatal overdose in New York City, 1990-1998. [*Poster Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
24. Tardiff KJ, Galea S, **Ahern J**, Leon AC, Vlahov D. Homicide and substance abuse in New York City: 1990-1998. [*Oral Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
25. Fernandez WG, Galea S, **Ahern J**, Koci B, Vlahov D, Waldman R. Mental health among Kosovar Albanians two years after the war in Kosovo. [*Oral Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
26. Galea S, **Ahern J**, Resnick H, Stuber S, Kilpatrick D, Bucuvalas M, Gold J, Vlahov D. Prevalence, progression, and correlates of post-traumatic stress disorder after the September 11 attacks in New York City. [*Oral Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November 2002.

27. **Ahern J**, Fernandez WG, Galea S, Koci B, Waldman R, Vlahov D. Post-traumatic symptoms and social support in post-war Kosovo. [*Oral Presentation*]. American Public Health Association Meeting. Philadelphia, PA; November, 2002.
28. Galea S, **Ahern J**, Resnick H, Kilpatrick D, Vlahov D. Post-traumatic stress disorder and depression in NYC after September 11. [*Oral Presentation*]. International Society for Traumatic Stress Studies Annual Meeting. Baltimore, MD; November 2002.
29. Fernandez WG, Galea S, **Ahern J**, Kennedy LL, Almeida CE, Vlahov D. Determinants of Long-Term Psychological Sequelae Among Latin-Americans Presenting to an Emergency Department Following the September 11th Terrorist Attacks and the American Airline Flight 587 Crash in New York City. [*Oral Presentation*]. 15th Annual New York State Office of Mental Health Research Conference. Albany, NY; December 2002.
30. Coffin PO, Galea S, **Ahern J**, Leon AC, Vlahov D, Tardiff KJ. Opiates, cocaine and alcohol combinations in drug overdose deaths in New York City, 1990-1998. [*Oral Presentation*]. Fourth National Harm Reduction Conference. Seattle, WA; December 2002.
31. Stuber J, Galea S, **Ahern J**, Resnick H, Kilpatrick D, Gold J, Vlahov D. Post-traumatic stress disorder 1, 2 and 6 months after the September 11 attacks in New York City. [*Oral Presentation*]. Anxiety Disorders Association of America Annual Meeting. Toronto, CA. March, 2003.
32. Galea S, **Ahern J**, Resnick H, Kilpatrick D, Vlahov D. Post-traumatic stress disorder and depression in NYC after 9/11. [*Oral Presentation*]. American Psychological Association Conference: Work, Stress, and Health: New challenges in a Changing Workplace. Toronto, CA; March 2003.
33. Galea S, Resnick H, **Ahern J**, Stuber J, Kilpatrick D, Gold J, Vlahov D. Post-traumatic stress disorder in New York City after September 11. [*Oral Presentation*]. American Psychiatric Association Annual Meeting. San Francisco, CA; May 2003.
34. Galea S, **Ahern J**, Tracy M, Vlahov D. Individual income, neighborhood income, and income distribution and use of cigarettes, alcohol, and marijuana: Contextual and compositional effects. [*Oral Presentation*]. Society for Epidemiologic Research. Atlanta, GA; June 2003.
35. Galea S, Ompad D, Wu Y, **Ahern J**, Vlahov D. Period and birth cohort effects in age of first phencyclidine (PCP) use among drug users in New York City 1960-2000. [*Poster Presentation*]. Society for Epidemiologic Research. Atlanta, GA; June 2003.
36. Vlahov D, **Ahern J**, Vazquez TL, Johnson S, Philips LA. Racial/ethnic disparities in colon cancer screening in New York City: independent of socioeconomic status, health insurance, smoking and family history. [*Poster Presentation*]. Society for Epidemiologic Research. Atlanta, GA; June 2003.
37. Bonner S, Matte T, Rubin M, Fagan J, Meyer I, **Ahern J**, Evans D. Oral Bronchodilator Use Among Urban Minority Preschoolers. [*Roundtable Presentation*]. National Conference on Asthma. Washington, DC; June 2003.
38. Ompad DC, Fagan J, Galea S, **Ahern J**, Bonner S, Vlahov D. Relationship of self reported asthma severity and urgent health care utilization to psychological sequelae of the September 11th attacks among New York City area residents. [*Oral Presentation*]. 17th World Congress on Psychosomatic Medicine. Waikoloa, HI; August, 2003.
39. Young M, Galea S, Stuber J, **Ahern J**. Discrimination and self-reported mental health among Latino and African-American drug users in New York City. [*Poster Presentation*]. International Conference on Urban Health. New York City, NY; October 2003.
40. Nandi A, Galea S, **Ahern J**, Resnick H, Vlahov D. Symptoms of substance dependence after the September 11 attacks: Results from a population survey of New York City residents conducted in

January 2002. [*Poster Presentation*]. International Conference on Urban Health. New York City, NY; October 2003.

41. Bonner S, Matte T, Rubin M, Fagan JK, **Ahern J**, Evans D. Oral bronchodilator use among urban minority preschoolers. [*Poster Presentation*]. International Conference on Urban Health. New York City, NY; October 2003.
42. Markham Piper T, Galea S, **Ahern J**, Tardiff KJ, Vlahov D. Neighborhood income, income inequality and homicide rates in New York City during the 1990s. [*Poster Presentation*]. International Conference on Urban Health. New York City, NY; October 2003.
43. Ompad D, Galea S, Wu Y, **Ahern J**, Vlahov D. Age of first phencyclidine (PCP) use among drug users in New York City 1960-2000: Period and birth cohort effects. [*Poster Presentation*]. American Public Health Association Meeting. San Francisco, CA; November, 2003.
44. Young M, Galea S, Stuber J, **Ahern J**. The association between discrimination due to drug use and self-reported mental health among minority drug users in New York City. [*Poster Presentation*]. American Public Health Association Meeting. San Francisco, CA; November, 2003.
45. Tracy M, Galea S, Markham Piper T, Coffin P, **Ahern J**, Ompad D, Vlahov D. Determinants of non-fatal overdose in Hispanic and Black injecting drug users in New York City (NYC). [*Poster Presentation*]. American Public Health Association Meeting. San Francisco, CA; November, 2003.
46. Markham Piper T, Galea S, **Ahern J**, Tardiff KJ, Vlahov D. Neighborhood income, income inequality and homicide rates in New York City during the 1990s. [*Poster Presentation*]. American Public Health Association Meeting. San Francisco, CA; November, 2003.
47. Vlahov D, **Ahern J**, Vazquez TL, Johnson S, Philips LA, Galea S. Racial/ethnic disparities in cancer screening rates in the New York City metropolitan area. [*Poster Presentation*]. American Public Health Association Meeting. San Francisco, CA; November, 2003.
48. **Ahern J**, Galea S, Vlahov D. Income, income inequality and depression: neighborhood and individual determinants of depression in New York City residents. [*Poster Presentation*]. American Public Health Association Meeting. San Francisco, CA; November, 2003.
49. Galea S, **Ahern J**, Karpati A. Underlying socioeconomic vulnerability in human communities: Evidence from ecologic variability in population health. [*Oral Presentation*]. Society for Epidemiologic Research. Salt Lake City, UT; June 2004.
50. Galea S, **Ahern J**. Educational inequality at the neighborhood level and population health. [*Oral Presentation*]. Society for Epidemiologic Research. Salt Lake City, UT; June 2004.
51. **Ahern J**, Galea S, Resnick H, Vlahov D. The longitudinal course of probable PTSD following the September 11 terrorist attacks. [*Poster Presentation*]. Society for Epidemiologic Research. Salt Lake City, UT; June 2004.
52. Galea S, **Ahern J**, Vlahov D. Neighborhood education inequality and use of cigarettes, alcohol, and marijuana. [*Poster Presentation*]. American College of Epidemiology Meeting. Boston, MA; September 2004. Third Place Poster Prize
53. **Ahern J**, Galea S, Tracy M, Vlahov D. Neighborhood characteristics, trauma, and the risk of posttraumatic stress disorder in New York City. [*Poster Presentation*]. American College of Epidemiology Meeting. Boston, MA; September 2004.
54. Galea S, Tracy MS, Piper TM, **Ahern J**, Coffin PO, Tardiff KJ, Vlahov D. Differences in circumstances of fatal and non-fatal overdose in New York City. [*Poster Presentation*]. American Public Health Association Meeting. Washington, DC; November 2004.

55. Miller JR, Piper TM, **Ahern J**, Tracy M, Tardiff KJ, Vlahov D, Galea S. Income inequality and risk of suicide in New York City neighborhoods: A multilevel case-control study. [*Poster Presentation*]. American Public Health Association Meeting. Washington, DC; November 2004.
56. Nandi A, Tracy M, **Ahern J**, Resnick H, Gershon RM, Vlahov D, Galea S. Effects of job loss, unemployment, work stress, and work satisfaction on the persistence of PTSD: Results from a cohort study of New York City metropolitan area residents one year after the September 11 attacks. [*Oral Presentation*]. American Public Health Association Meeting. Washington, DC; November 2004.
57. Piper TM, Galea S, Tracy M, **Ahern J**, Tardiff KJ, Vlahov D. Neighborhood built environment and intentional and unintentional fatal injury in New York City. [*Poster Presentation*]. American Public Health Association Meeting. Washington, DC; November 2004.
58. Tracy M, Galea S, Piper TM, Ompad DC, **Ahern J**, Coffin PO, Vlahov D. Responses to witnessed drug overdose in a predominantly minority urban population: Implications for intervention. [*Poster Presentation*]. American Public Health Association Meeting. Washington, DC; November 2004.
59. Galea S, **Ahern J**, Vlahov D. Urban neighborhood socioeconomic status and incidence of depression in a population-based cohort study. [*Poster Presentation*]. Society for Epidemiologic Research. Toronto, ON; June 2005. First Place Poster Prize
60. **Ahern J**, Galea S. Variability in population health among vulnerable neighborhoods: The contribution of individual socioeconomic distribution. [*Poster Presentation*]. Society for Epidemiologic Research. Toronto, ON; June 2005.
61. Lawyer SR, Resnick HS, Galea S, **Ahern J**, Kilpatrick DG, Vlahov D. Predictors of peritraumatic reactions and PTSD status following the September 11th terrorist attacks. [*Poster Presentation*]. Association for Cognitive and Behavioral Therapies Conference. Washington, DC; November 2005.
62. **Ahern J**, Galea S, Hubbard A, Karpati A. Testing a model of underlying ecologic vulnerabilities and capacities in population health. [*Poster Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2006.
63. **Ahern J**, Galea S. Collective efficacy and depression in urban neighborhoods. [*Oral Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2006.
64. **Ahern J**, Galea S. Neighborhood drinking norms and alcohol drinking patterns. [*Oral Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2007.
65. **Ahern J**, Galea S. The neighborhood social environment and risk of smoking. [*Oral Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2007.
66. **Ahern J**, Galea S. The selection problem in cross-sectional neighborhood analyses: isolating the egg. [*Poster Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2007.
67. Stuber J, **Ahern J**, Galea S. Social norms, education and tobacco cessation: what is the relationship? American Public Health Association Meeting. Washington, DC; November 2007.
68. **Ahern J**, Hubbard A, Galea S. The role of natural hazards and social stressors in population health. [*Poster Presentation*]. Society for Epidemiologic Research. Anaheim, CA; June 2009.
69. **Ahern J**, Hubbard A, Galea S. Estimating the effects of potential public health interventions on population disease burden. [*Oral Presentation*]. Society for Epidemiologic Research. Anaheim, CA; June 2009.
70. Karasek D, **Ahern J**. Neighborhood social context and smoking cessation: A multilevel study of collective efficacy and social norms. Population Association of America. Dallas, TX; April 2010.
71. Margerison-Zilko CE, **Ahern J**. Exposure to economic contractions and birth outcomes. [*Oral Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2010.

72. **Ahern J**, Margerison-Zilko CE, Galea S. Alcohol outlets and drinking patterns in a large urban area. [*Poster Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2010.
73. **Ahern J**, Lippman S, Galea S. Conflict and confluence in norms across social environments shapes smoking. [*Poster Presentation*]. Society for Epidemiologic Research. Montreal, Canada; June 2011.
74. **Ahern J**, Cerda M, Lippman S, Tardiff K, Vlahov D, Galea S. Neighborhood collective efficacy and violence in New York City. [*Oral Presentation*]. Society for Epidemiologic Research. Minneapolis, MN; June 2012.
75. Ransome Y, Cerda M, **Ahern J**, Galea S. Predictors of alcohol abuse among a sample of African Americans in New York City. [*Poster Presentation*]. Addiction Health Services Research. New York, NY; October 2012.
76. Leslie HH, **Ahern J**, Chinaglia M, Kerrigan D, Lippman S. Social Participation and Drug Use in a Cohort of Brazilian Sex Workers. [*Poster Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2013.
77. Pearl M, Balzer L, **Ahern J**. Low-income neighborhoods and very preterm birth: an application of case-control-weighted targeted maximum likelihood estimation. [*Oral Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2013.
78. **Ahern J**, Cerda M, Lippman S, Tardiff K, Vlahov D, Galea S. Navigating structural confounding in neighborhood research. [*Oral Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2013.
79. **Ahern J**, Karasek D, Bruckner T. Racial/ethnic differences in the relation between severe childhood adverse events and adolescent mental health disorders. [*Poster Presentation*]. Society for Epidemiologic Research. Boston, MA; June 2013.
80. Pearl M, Balzer L, **Ahern J**. Relative and absolute effects of neighborhood income on very preterm birth. [*Poster Presentation*]. Society for Pediatric and Perinatal Epidemiologic Research. Boston, MA; June 2013.
81. Balzer L, Pearl M, **Ahern J**, van der Laan M. Targeted minimum loss-based estimation (TMLE) for rare outcomes: evaluating risk factors for very preterm birth. [*Oral Presentation*]. WNAR of the International Biometric Society. Los Angeles, CA; June 2013.
82. Worthen M, Rathod S, Cohen G, Ursano R, Gifford R, Fullerton C, Galea S, **Ahern J**. The importance of anger in U.S. military service members: A mixed-method approach. [*Poster Presentation*]. Global Mental Health Forum. London, UK; September 2013.
83. Worthen M, Rathod S, Cohen G, Ursano R, Gifford R, Fullerton C, Galea S, **Ahern J**. Prevalence and correlates of violent behavior by military service members. [*Oral Presentation*]. American Public Health Association. Boston, MA; November 2013.
84. Worthen M, Rathod S, Cohen G, Ursano R, Gifford R, Fullerton C, Galea S, **Ahern J**. Violence and posttraumatic stress disorder in reserve and national guard service members. [*Oral Presentation*]. American Public Health Association. Boston, MA; November 2013.
85. **Ahern J**, Balzer L, van der Laan M. Simulations to optimize the study design and analysis for assessment of the health effects of policies and programs. [*Poster Presentation*]. NIH Common Fund High Risk-High Reward Research Program Symposium. Bethesda, MD; November 2013.
86. **Ahern J**, Balzer L, van der Laan M. A rigorous system to determine the health impacts of policies and programs: Simulations to optimize the study design and analysis. [*Poster Presentation*]. Berkeley Data Science Initiative, Data Science Fair. Berkeley, CA; December 2013.
87. **Ahern J**, Karasek D, Bruckner T. Racial differences in the relationship between childhood adverse events and mental health disorders among a nationally representative sample of adolescents. [*Oral Presentation*]. Population Association of America. Boston, MA; May 2014.

88. Boccolini CS, **Ahern J**, Carvalho ML, Oliveira MIC. Neighborhood Social Capital and Exclusive Breastfeeding duration: a multilevel survival analysis in Brazil. [*Poster Presentation*]. International Epidemiological Association World Congress of Epidemiology. Anchorage, AK; August 2014.
89. Leslie HH, **Ahern J**, Pettifor AE, Kahn K, Gómez-Olivé XF, Lippman SA. Community mobilization and alcohol use among young adults in rural South Africa. [*Oral Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2014.
90. Pearl M, Kharrazi M, Graham S, Sacramento C, **Ahern J**. Changing residence during pregnancy: implications for studies of geographically-based exposures. [*Oral Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2014.
91. Pearl M, Kharrazi M, Graham S, Sacramento C, **Ahern J**. Changing residence during pregnancy: implications for studies of geographically-based exposures. [*Poster Presentation*]. Society for Pediatric and Perinatal Epidemiologic Research. Seattle, WA; June 2014.
92. **Ahern J**, Hubbard AE. Early childhood adversity and psychopathology: an illustration of the utility of population intervention parameters. [*Oral Presentation*]. Society for Epidemiologic Research. Seattle, WA; June 2014.
93. Rudolph KE, van der Laan M, **Ahern J**, Glymour M. Transportability in encouragement-design interventions. [*Poster Presentation*]. Society for Prevention Research. Washington, DC; May 2015.
94. **Ahern J**, Colson KE*, Zimmerman S*, Rudolph K, Goin D. Web-based simulation application to optimize design and analysis decisions for studies of health impacts. [*Poster Presentation*]. Berkeley Data Science Initiative, Data Science Fair. Berkeley, CA; May 2015.
95. **Ahern J**, Colson KE*, Zimmerman S*, Rudolph K, Goin D. Web-based simulation application to optimize design and analysis decisions for studies of the health impacts of policies and programs. [*Poster Presentation*]. Society for Epidemiologic Research. Denver, CO; June 2015. *co-second authors contributed equally.
96. **Ahern J**, Colson KE, Rudolph K, Zimmerman S, Goin D. Does maximizing covariate balance achieve the best estimate? Comparative performance of matching methods for estimating treatment effects. [*Oral Presentation*]. Society for Epidemiologic Research. Denver, CO; June 2015.
97. See I, Mu Y, Gualandi N, Bamberg W, Dumyati G, Harrison LH, Lynfield R, Nadle J, Petit S, Schaffner W, Tunali A, Wesson P, **Ahern J**. Socioeconomic factors explain racial disparities in community-associated methicillin-resistant *Staphylococcus aureus* disease rates. [*Poster Presentation*]. ID Week Conference. October, 2015.
98. **Ahern J**, Colson KE*, Zimmerman S*, Rudolph K, Goin D. A rigorous system to evaluate the health impacts of California programs and policies using big data and optimized analyses. [*Oral Presentation*]. American Public Health Association Meeting. Chicago, IL; November 2015. *co-second authors contributed equally.
99. Stewart H, **Ahern J**, Galea S. Concentrated Neighborhood Poverty and Smoking Cessation Effort Among Current Smokers in New York City. [*Poster Presentation*]. American Public Health Association Meeting. Chicago, IL; November 2015.
100. Rendle KAS, Thompson CA, **Ahern J**, Bauer HM, Wilson SR. Changes in Adolescent HPV Vaccination Following Incorporation into California's Pay-for-Performance Program. [*Oral Presentation*]. Health Care System Research Network Conference. Atlanta, GA; April 2016.
101. Colson KE, Galin J, **Ahern J**. Association between suicide and exposure to homicide in urban neighborhoods: A spatial analysis. [*Oral Presentation*]. 13th International Conference on Urban Health. San Francisco, CA; April 2016.

102. Leslie H, Petersen M, Wilson M, **Ahern J**. Do you see what I see? Implications of random and systematic error in perception for studies of contextual effects. [*Oral Presentation*]. Epidemiology Congress of the Americas. Miami, FL; June 2016.
103. **Ahern J**. Population intervention estimation: methodological approaches. [*Oral Presentation*]. Epidemiology Congress of the Americas. Miami, FL; June 2016.
104. Goin DE, Rudolph K, **Ahern J**. Drought and crime in California. [*Poster Presentation*]. Epidemiology Congress of the Americas. Miami, FL; June 2016.
105. **Ahern J**, Colson, KE, Margerison-Zilko C, Hubbard A, Galea S. How does a “big effect” translate to population impact? [*Oral Presentation*]. Epidemiology Congress of the Americas. Miami, FL; June 2016.
106. Pearl M, **Ahern J**, Hubbard A, Laraia B, Lum R, Kharrazi M. Intergenerational poverty and racial/ethnic disparities in risk of preterm birth. [*Oral Presentation*]. The Society for Pediatric and Perinatal Epidemiologic Research. Miami, FL; June 2016.
107. Turner C, Santos GM, **Ahern J**, Wilson EC. Parent/caregiver acceptance of gender identity and engagement in sexual risk behavior among trans*female youth ages 16-24 years in San Francisco. [*Oral Presentation*]. American Public Health Association Meeting. Denver, CO; October 2016.
108. **Ahern J**, Matthay EC, Rudolph K, Goin D, Galin J, Farkas K, Zimmerman S. Novel study designs to leverage large-scale population health data to quantify health impacts of policies and programs. [*Poster Presentation*]. The NIH Common Fund, High-Risk High-Reward Research Symposium. Bethesda, MD; December 2016.
109. Matthay EC, Galin J, **Ahern J**. Changing patterns in rates and means of self-harm in California, 2005 to 2013. [*Poster Presentation*]. Population Association of America 2017 Annual Meeting. Chicago, IL; April 2017.
110. Matthay EC, Galin J, Rudolph KE, Farkas K, Wintemute G, **Ahern J**. Local effects of gun shows on firearm deaths and injuries in California. [*Plenary Presentation*]. Society for Epidemiologic Research 2017 Annual Meeting. Seattle, WA; June 2017. Tyroler Student Paper Prize Winner.
111. **Ahern J**, Matthay EC, Goin D, Rudolph KE, Farkas K. Health effects of community violence beyond injuries and deaths. [*Oral Presentation*]. Society for Epidemiologic Research 2017 Annual Meeting. Seattle, WA; June 2017.
112. Goin D, **Ahern J**. Homicides and disparities in preterm birth. [*Poster Presentation*]. Society for Epidemiologic Research 2017 Annual Meeting. Seattle, WA; June 2017.
113. Farkas K, Matthay EC, Rudolph K, Goin D, **Ahern J**. Injuries and deaths due to legal intervention in California: trends, rates, and comorbid mental illness. [*Oral Presentation*]. Society for Epidemiologic Research 2017 Annual Meeting. Seattle, WA; June 2017.
114. Zimmerman S, Matthay EC, Rudolph K, Goin D, Farkas K, **Ahern J**. Prediction modeling to choose the best analysis approach using features of the data. [*Poster Presentation*]. Society for Epidemiologic Research 2017 Annual Meeting. Seattle, WA; June 2017.
115. Pearl M, **Ahern J**, Hubbard A, Laraia B, Shrimali B, Poon V, Kharrazi M. Life-course neighborhood deprivation and neonatal mortality in California. [*Oral Presentation*]. Society for Pediatric and Perinatal Epidemiology 2017 Annual Meeting. Seattle, WA; June 2017.
116. Goin D, **Ahern J**. Identification of spike in time series. [*Poster Presentation*]. Population Health Science Research Workshop 2017. Boston, MA; October, 2017.
117. Farkas K, Matthay EC, Rudolph KE, Goin D, **Ahern J**. Mental illness and substance use disorders among legal intervention injury cases in California, 2005-2015. [*Oral Presentation*]. American Public Health Association Meeting 2017. Atlanta, GA; November 2017.

118. Yette E, **Ahern J**. Health-related quality of life among Black sexual minority women: Intersection of race and sexual orientation. [*Oral Presentation*]. American Public Health Association Meeting 2017. Atlanta, GA; November 2017.
119. Yette E, **Ahern J**. Intersection of race and sexual orientation: Prevalence of past 30-day heavy episodic drinking among black sexual minority women. [*Poster Presentation*]. American Public Health Association Meeting 2017. Atlanta, GA; November 2017.
120. Pearson R, **Ahern J**, MacPhail C, Goin DE, Selin A, Hamilton EL, Gomez-Oliver XF, Wagner RG, Hughes J, Agyei Y, Laeyendecker O, Stein A, Tollman S, Pettifor A, Kahn K. Depressed mood in adolescent girls and risk of later HIV infection in rural South Africa, HTPN 068. [*Oral Presentation*]. AIDS IMPACT. Cape Town, South Africa; November 2017.
121. Matthay EC, Farkas K, Skeem J, **Ahern J**. Community violence and self-harm in California: A multi-level population-based study. [*Oral Presentation*]. Population Association of America 2018 Annual Meeting.
122. **Ahern J**, Zimmerman S, Matthay EC, Goin D, Farkas K, Rudolph K. Effects of the Mental Health Services Act on suicide in California: a synthetic control approach. [*Oral Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
123. Matthay EC, Rudolph KE, Goin D, Farkas K, **Ahern J**. Novel use and combinations of population-based big data for the study of rare outcomes and transient ecological exposures. [*Oral Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
124. Matthay EC, Farkas K, Skeem J, **Ahern J**. Exposure to community violence and risk of self-harm in California: A multi-level population-based case-control study. [*Oral Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
125. Farkas K, Matthay EC, Rudolph KE, Goin DE, Zimmerman S, **Ahern J**. Police use of force training reforms and injuries and deaths due to legal intervention in Richmond, California. [*Oral Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
126. Rowe C, Matthay EC, **Ahern J**. Geographic heterogeneity in firearm-related homicide trends in California, 2005-2016. [*Poster Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
127. Rowe C, Matthay EC, **Ahern J**. Interpersonal violent injury trends in California, 2005 to 2016. [*Poster Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
128. Goin D, **Ahern J**. Preterm birth, firearm violence, and infection: a study of mediation in California. [*Poster Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
129. Zimmerman S, Matthay EC, Rudolph KE, Goin D, **Ahern J**. Software to assess the effects of data-generating assumptions on estimator performance. [*Poster Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
130. Li C, Matthay EC, Rowe C, Bradshaw P, **Ahern J**. Conducting case-control studies using survey data with complex sampling designs: A simulation study. [*Oral Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018.
131. Rudolph KE, Sofrygin O, Schmidt NM, Crowder R, Glymour MM, **Ahern J**, Osypuk TL. Mediation of neighborhood effects on adolescent substance use by the school and peer environments in a large-scale housing voucher experiment. [*Plenary Presentation*]. Society for Epidemiologic Research 2018 Annual Meeting. Baltimore, MD; June, 2018. Lilienfeld Postdoctoral Paper Prize Winner.

132. Leddy AM, Nielands TB, **Ahern J**, DeLong S, Gómez-Olivé XF, MacPhail C, Kahn K, Pettifor A, Lippman SA. Community collective efficacy is associated with reduced intimate partner violence (IPV) incidence in the HPTN 068 cohort. [*Poster Presentation*]. International AIDS Conference 2018.
133. Lippman SA, Leddy AM, Nielands TB, **Ahern J**, MacPhail C, Peacock D, Kapudula CW, Selin A, Kahn K, Pettifor A. Village community mobilization is associated with reduced HIV incidence in AGYW in HPTN 068. [*Poster Presentation*]. International AIDS Conference 2018.
134. Pearl M, Poon V, **Ahern J**, Kharrazi K. Life-course Analysis of Residential Poverty and Racial-Ethnic Disparities in Preeclampsia in California. [*Oral Presentation*]. American Public Health Association Meeting 2018.
135. Matthay E, Rudolph K, Zimmerman S, Goin D, Farkas K, **Ahern J**. Impacts of the Operation Peacemaker Fellowship in Richmond, California on firearm deaths and injuries: A quasi-experimental study. [*Poster Presentation*]. Interdisciplinary Association for Population Health Science Annual Conference. Washington DC; October, 2018. First Place Poster Prize
136. Skrobarcek KA, Mu Y, **Ahern J**, Beldavs Z, Brousseau G, Dumyati G, Farley M, Holzbauer S, Kainer M, Meek J, Perlmutter R, Phipps E, Winston L, Guh A. Association between socioeconomic status factors and incidence of community-associated *Clostridium difficile* infection utilizing factor Analysis—United States, 2014–2015. [*Poster Presentation*]. ID Week Conference. San Francisco CA; October, 2018.
137. Goin DE, Gomez AM, Farkas K, Zimmerman S, Matthay EC, **Ahern J**. Community homicide and preterm birth in California: A within-community matched design. [*Poster Presentation*]. Population Health Science Research Workshop. Boston MA; October, 2018.
138. Goin DE, Rudolph KE, **Ahern J**. Firearm violence and preterm birth: Evidence of stochastic mediation by pregnancy complications and health behaviors. [*Oral Presentation*]. International Society for Children's Health and the Environment 2019 Retreat. Merida, MX; January 2019.
139. Matthay EC, Farkas K, Rudolph KE, Zimmerman S, Barragan M, Goin DE, **Ahern J**. Association of the Operation Peacemaker Fellowship in Richmond, California with city-level firearm and nonfirearm homicide and assault: A quasi-experimental study. [*Oral Presentation*]. Population Association of America 2019 Annual Meeting. Austin TX; April 2019.
140. Goin DE, Gomez AM, Farkas K, Zimmerman S, Matthay EC, **Ahern J**. Community homicide and adverse birth outcomes in California: A within-community matched design. [*Oral Presentation*]. Population Association of America 2019 Annual Meeting. Austin TX; April 2019.
141. Farkas K, Matthay EC, Goin DE, Rudolph KE, **Ahern J**. Association of severe mental illness with legal intervention injury: a case-control study. [*Poster Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.
142. Goin DE, Pearson RM, Craske MG, Stein A, Pettifor A, Lippman SA, Kahn K, Nielands TB, Hamilton EL, Selin A, MacPhail C, Wagner RG, Gómez-Olivé FX, Twine R, Hughes HP, Agyei Y, Laeyendecker O, Tollman S, **Ahern J**. Depression and incident HIV in adolescent girls and young women in HPTN 068: Targets for prevention and mediating factors. [*Poster Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.
143. Goin DE, Rudolph KE, **Ahern J**. Firearm violence and preterm birth: Evidence of stochastic mediation by pregnancy complications and health behaviors. [*Oral Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.
144. Rowe C, **Ahern J**. California Public Safety Realignment and Mortality in State Prisons and County Jails: An Interrupted Time Series Analysis. [*Poster Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.

145. Rowe CL, Goin DE, Marshall BDL, Coffin PO, **Ahern J**. Fentanyl overdose deaths in the United States 2013-2017: A national county-level assessment of geographic patterns, correlates, and the relationship with heroin overdose deaths. [*Oral Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.
146. Stoner MCD, **Ahern J**, Kahn K, Twine R, Gómez-Olivé FX, Lippman SA, Pettifor S. Modelling combination interventions including increased school attendance to prevent HIV among girls of school age in South Africa (HTPN 068). [*Oral Presentation*]. International AIDS Conference 2019.
147. Matthay EC, Farkas K, Rudolph KE, Zimmerman S, Barragan M, Goin DE, **Ahern J**. Local policy and violence: A quasi-experimental study of the Operation Peacemaker Fellowship in Richmond, California [*Oral Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.
148. Li Y, **Ahern J**, Cerda M, Hogan JW, Goedel WC, Marshall, BDL. Predicting drug overdose deaths in Rhode Island: A comparison of machine learning methods and variable selection procedures. [*Oral Presentation*]. Society for Epidemiologic Research 2019 Annual Meeting. Minneapolis MN; June 2019.
149. Phillips AZ, Rodriguez HP, Kerr WC, **Ahern J**. Increased accidental injuries in urban areas following liquor privatization in Washington. [*Poster Presentation*]. American Public Health Association Meeting 2019. Philadelphia PA; November 2019.
150. Farkas K, Matthay EC, Rudolph KE, Goin DE, Zimmerman S, **Ahern J**. Association of law enforcement use of force training reforms with injuries and deaths due to legal intervention in Richmond, California: An application of the Synthetic Control Method. [*Oral Presentation*]. Population Association of America 2020 Annual Meeting. Washington DC; April 2020. (Accepted but conference cancelled due to COVID-19)
151. Matthay EC, Farkas K, Goin DE, Rudolph KE, **Ahern J**. Association of openings and closings of firearm dealers with firearm deaths and injuries: A differences-in-differences analysis. [*Oral Presentation*]. Population Association of America 2020 Annual Meeting. Washington DC; April 2020. (Accepted but conference cancelled due to COVID-19)
152. Farkas K, Duarte C, **Ahern J**. Injuries caused by law enforcement among young people: Disparities and trends among California emergency department and hospital patients, 2005-2014. [*Oral Presentation*]. Society for Advancement of Violence and Injury Research (SAVIR) 2020. Philadelphia PA; April 2020. (Virtual due to COVID-19)
153. Pear VA, Wintemute GJ, **Ahern J**. The Joint Role of Firearm Dealer Density and Alcohol Outlet Density in Community Firearm Violence. [*Oral Presentation*]. Society for Advancement of Violence and Injury Research (SAVIR) 2020. Philadelphia PA; April 2020. (Virtual due to COVID-19)
154. Farkas K, Duarte C, **Ahern J**. Injuries caused by law enforcement among young people: Inequities and trends among California emergency department and hospital patients, 2005-2014. [*Poster Presentation*]. Society for Epidemiologic Research 2020 Annual Meeting. Boston MA; June 2020. (Delayed and virtual due to COVID-19)
155. Pear VA, Wintemute GJ, **Ahern J**. The Joint Role of Firearm Dealer Density and Alcohol Outlet Density in Community Firearm Violence. [*Oral Presentation*]. Society for Epidemiologic Research 2020 Annual Meeting. Boston MA; June 2020. (Delayed and virtual due to COVID-19)
156. Rowe C, Eagen K, **Ahern J**, Faul M, Hubbard A, Coffin P. Evaluating the effects of opioid prescribing policies on patient outcomes in a safety-net primary care clinic. [*Poster Presentation*]. Society for Epidemiologic Research 2020 Annual Meeting. Boston MA; June 2020. (Delayed and virtual due to COVID-19)

157. Goin DE, Gomez AM, Farkas K, Duarte C, Karasek D, Chambers B, Jackson AV, **Ahern J**. Exposure to fatal police violence during pregnancy and hazard of preterm birth in California. [*Poster Presentation*]. Society for Epidemiologic Research 2020 Annual Meeting. Boston MA; June 2020. (Delayed and virtual due to COVID-19)
158. Phillips A, Rodriguez H, Kerr W, **Ahern J**. Washington's Liquor Privatization and Alcohol-Related Adverse Health Outcomes. [*Poster Presentation*]. AcademyHealth Annual Research Meeting. Boston, MA; June 2020. (Virtual due to COVID-19).
159. Rowe C, Coffin P, **Ahern J**. Buprenorphine Waivers and Prescriptions in California, 2010-2018. [*Poster Presentation*]. College on Problems of Drug Dependence. Hollywood, FL; June 2020. (Virtual due to COVID-19).
160. Phillips AZ, Rodriguez HP, Kerr WC, **Ahern J**. Increased accidental injuries in urban areas following liquor privatization in Washington. [*Oral Presentation*]. American Society of Health Economists Conference 2020. June 2020. (Cancelled due to COVID-19).
161. Homen J, Kim L, Cikesh B, Whitaker M, Anderson E, Bye E, Muse A, Bennett N, Talbot HK, Monroe M, **Ahern J**, Rowe C, Rothrock G, Reingold A. Relationship between neighborhood census-tract level poverty and Respiratory Syncytial Virus (RSV)-associated hospitalizations in U.S. adults, 2015-2017. [*Poster Presentation*]. ID Week Conference. Philadelphia, PA; October, 2020 (Virtual due to COVID-19).
162. Phillips AZ, **Ahern J**, Kerr WC, Rodriguez HP. Cigarettes Smoked among Daily and Nondaily Smokers following CVS Health's Tobacco-free Pharmacy Policy. [*Oral Presentation*]. AcademyHealth Annual Research Meeting. June 2021 (Virtual due to COVID-19).
163. Jayaweera R, Goin D, Twine R, Neilands TB, Wagner RG, Lippman SA, Kahn K, Pettifor A, **Ahern J**. Association of WASH-related violence and depressive symptoms in adolescent girls and young women in HIV prevention trials network 068. [*Poster Presentation*]. Society for Epidemiologic Research 2021 Annual Meeting. San Diego CA; June 2021. (Virtual due to COVID-19)
164. Farkas K, **Ahern J**, Mason SM. Predictors of injuries suggestive of child maltreatment during first year of life in California: A prospective cohort study using statewide birth cohort and hospital records. [*Poster Presentation*]. Society for Epidemiologic Research 2021 Annual Meeting. San Diego CA; June 2021. (Virtual due to COVID-19)
165. Pear VA, Wintemute GJ, **Ahern J**. The joint role of firearm and alcohol availability in the risk of intentional firearm injury. [*Poster Presentation*]. Society for Epidemiologic Research 2021 Annual Meeting. San Diego CA; June 2021. (Virtual due to COVID-19)
166. Nance N, Badon SE, Ridout KK, **Ahern J**, Li D-K, Avalos L. Depression medication treatment use and user profiles during pregnancy among pre-pregnancy antidepressant users. [*Poster Presentation*]. Society for Epidemiologic Research 2021 Annual Meeting. San Diego CA; June 2021. (Virtual due to COVID-19)
167. Riddell CA, Farkas K, Neumann K, Santaularia NJ, **Ahern J**, Mason SM. Impact of COVID-19 shelter-in-place policies on child abuse. [*Oral Presentation*]. Society for Pediatric and Perinatal Epidemiologic Research 2021. Virtual due to COVID-19; May 2021.
168. Stoner MCD, Edwards J, Westreich D, Kilburn K, **Ahern J**, Lippman SA, Gómez-Olivé FX, Kahn K, Pettifor A. Modelling cash plus other psychosocial and structural interventions to prevent HIV among girls of school age in South Africa (HPTN 068). [*Oral Presentation*]. International AIDS Society Conference 2021. Virtual due to COVID-19; July 2021.
169. Neumann K, Mason SM, Farkas K, Santaularia NJ, **Ahern J**, Riddell CA. Harnessing Google Health Trends API Data for Epidemiologic Research: A Methodological Approach. [*Poster Presentation*]. Interdisciplinary Association for Population Health Science 2021. Virtual due to COVID-19; October 2021. Poster Prize Winner

170. Marshall BDL, Alexander-Scott N, Yedinak JL, Hallowell B, Goedel WC, Allen B, Schell RC, Krieger MS, Pratty C, **Ahern J**, Neill DB, Cerdá M. Preventing overdose using information and data from the environment (PROVIDENT): Protocol for a randomised, population-based, community intervention trial. [*Poster Presentation*]. 9th International Conference on Health and Hepatitis Care in Substance Users. Sydney, Australia; October 2021. (Virtual due to COVID-19)
171. Pear VA, Wintemute GJ, Jewell N, **Ahern J**. Implementation of California's Gun Violence Restraining Order Law and Firearm Violence Injury: A Synthetic Control Analysis. [*Oral Presentation*]. Firearm Safety Among Children and Teens (FACTS) Symposium 2021; October 2021. (Virtual due to COVID-19)
172. Badon SE, Nance N, Ridout KK, **Ahern J**, Li D, Avalos LA. Antidepressant medication usage patterns during pregnancy and neonatal intensive care unit admission after delivery among individuals with preconception use. Marce of North America. October 2021. (Virtual due to COVID-19).
173. Pitchik HO, Chung EO, Bhushan N, Kahn K, Gómez-Olivé FX, **Ahern J**, Maselko J, Pettifor A. Longitudinal relationships between childbearing and depressive symptoms in adolescent girls and young women in rural South Africa (HPTN 068 cohort). [*Oral Presentation*]. Society for Epidemiologic Research 2022 Annual Meeting. Chicago, IL; June 2022.
174. Duarte CdP, Glymour MM, **Ahern J**, Mujahid MS, Manly JJ, Yen IH, Cohen AK, Vable AM. School suspension and expulsion predicts higher dementia risk in late life with implications for racial health inequities: Findings from the National Longitudinal Survey of Youth 1979 Cohort. [*Oral Presentation*]. Society for Epidemiologic Research 2022 Annual Meeting. Chicago, IL; June 2022.
175. Duarte CdP, **Ahern J**, Glymour MM, Manly JJ, Mujahid MS, Yen IH, Cohen AK, Vable AM. School suspension and expulsion predicts higher dementia risk in late life through educational pathways: A lifecourse mediation analysis among the National Longitudinal Survey of Youth 1979 Cohort. [*Poster Presentation*]. Society for Epidemiologic Research 2022 Annual Meeting. Chicago, IL; June 2022.
176. Allen B, Schell RC, Jent VA, Krieger M, Pratty C, Goedel W, Marshall BDL, **Ahern J**, Neill DB, Cerdá M. Machine learning to predict future neighborhood-level overdose risk: Findings from a modeling study to inform overdose prevention in Rhode Island. [*Oral Presentation*]. Society for Epidemiologic Research 2022 Annual Meeting. Chicago, IL; June 2022.
177. Hailu E, Tucker C, Riddell C, **Ahern J**, Bradshaw P, Carmichael S, Mujahid M. Neighborhood fatal police violence and Severe Maternal Morbidity in California. [*Poster Presentation*]. Society for Pediatric and Perinatal Epidemiologic Research 2022 Annual Meeting. Chicago, IL; June 2022.
178. Nance N, Badon SE, Ridout KK, **Ahern J**, Li D-K, Quesenberry C, Avalos L. Antidepressant use patterns during pregnancy and birth outcomes among preconception antidepressant users. [*Poster Presentation*]. International Society for Pharmaceutical Engineering. Bethesda, MD. 2022.
179. Browne E, Stoner M, Kabudula CW, Rosenberg M, Kang Dufour M, Gomez-Olive FX, Neilands T, **Ahern J**, Kahn K, Pettifor A, Lippman SA. Estimating inadvertent benefits of trial participation: An application of the covariate balancing propensity score to account for selection bias. [*Poster Presentation*]. 2022 American Causal Inference Conference. Berkeley, CA; May 2022.