

Jennifer Ahern, PhD

CONTACT INFORMATION

Division of Epidemiology
School of Public Health
University of California, Berkeley
285 University Hall
Berkeley, CA 94720-7360

Phone: (510) 643-4350
Fax: (510) 643-6981
Email: jahern@berkeley.edu

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
Center for Urban Epidemiologic Studies
New York Academy of Medicine

Jan 2001-Aug 2005
Aug 2000-Dec 2001
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-present
Berkeley, California

SELECTED HONOURS

AWARDS

- “75 Most Influential Alumni” honoree of the School of Public Health, University of California, Berkeley (2018)
- Chancellor’s Professorship (2014-present)
- School of Public Health Committee on Teaching Excellence Honoree (Fall 2013, Epidemiologic Methods II; Spring 2014-2017 Methods in Social Epidemiology, 2015-2017 Doctoral Seminar)
- Outstanding Graduate Student Instructor Award, University of California Berkeley (2006)
- Society for Epidemiologic Research Poster Session; First Prize (2005)
- American College of Epidemiology Poster Session; Third Prize (2004)
- Society for Epidemiologic Research Poster Session; First Prize (2002)
- American College of Epidemiology Poster Session; Third Prize (2002)
- 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

- Associate Dean for Research, School of Public Health (2016-present)
 - Developed Grantwriting Seminar Series
 - Developed Grant Peer Review Process for UCB SPH
- 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-present)
- 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 (2014-2015)
- Search Committee Member (Biostatistics 2014-2015, 2015-2016)
- Ad Hoc Committee Chair (2015-2016 – 2 committees)
- 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)
- 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-present)
- Academic Planning and Resource Allocation Committee (CAPRA) Member (2017-present)
 - CAPRA representative to the Capital Renewal Committee (CRC)

TEACHING EXPERIENCE

INSTRUCTION

Course: *Epidemiologic Methods II* Fall 2010, 2011, 2013, 2015, 2017
 University of California at Berkeley School of Public Health 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* Spring 2008, 2010-2018
 University of California at Berkeley School of Public Health 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* Fall 2015-2017, Spring 2017-2018
 University of California at Berkeley School of Public Health 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.

GUEST LECTURES

Social epidemiology, *Doctoral Seminar* Fall 2015

University of California Berkeley School of Public Health
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, Fall 2013, 2014
Introduction to Causal Inference

University of California Berkeley School of Public Health
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* Spring 2013, 2015

University of California Berkeley School of Public Health
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

University of California Berkeley School of Public Health Berkeley, California
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

University of California Berkeley School of Public Health Berkeley, California
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 2009-2016

University of California Berkeley School of Public Health Berkeley, California
Led discussion on the topic of studying population health as distinct from individual health in a graduate seminar (1 class, 20 students).

Neighborhood Studies, *Medical Detectives* Spring 2009

University of California Berkeley School of Public Health Berkeley, California
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

University of California Berkeley School of Public Health Berkeley, California

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
University of California Berkeley School of Public Health Berkeley, California
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 2010-2017
University of California Berkeley School of Public Health 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)

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
Bay Area Data Collaborative Meeting Martinez, California
Contra Costa County Health Department

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

Multilevel analysis and beyond. Increasing the relevance of research on community characteristics to intervention March 2010
Emeryville, California

Alcohol Research Group
Public Health Institute

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
Society for Epidemiologic Research Annual Meeting

June 2013
Boston, Massachusetts

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

MEMBERSHIPS

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

PROFESSIONAL ACTIVITIES

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” (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
 - 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
 - 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)

GRANT 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 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 - scheduled). Los Angeles, CA.
- Society for Epidemiologic Research, Workshop Instructor, “Estimation and interpretation: introduction to parametric and semi-parametric estimators for causal inference.” (2018 - scheduled). Baltimore, MD.

CONSORTIA

- UC-Mexico Health Working Group, Member (2015-present)
- 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)

OTHER PROFESSIONAL ACTIVITIES

- Society for Epidemiologic Research Student Workshop Faculty (2009)
- Society for Epidemiologic Research “Meet the Experts” Panel (2010, 2014, 2015)
- 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-present)
- Epidemiology Congress of the Americas Awards Committee (2014-2016)

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.

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.

Infrastructure strengthening of the California EIP (Ahern)

Role on Project: Principal Investigator

Dates: September 30, 2014 – December 31, 2017

Funding Agency: CDC California Emerging Infections Program

Funding: \$111,483

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

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.

CURRENT

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.

Infrastructure strengthening of the California EIP (Ahern)

Role on Project: Principal Investigator

Dates: January 1, 2018 – December 31, 2018

Funding Agency: CDC California Emerging Infections Program

Funding: \$ 101,248

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

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

Role on Project: Subaward Principal Investigator

Dates: April 1, 2016 - March 31, 2021

Funding Agency: National Institutes of Health; R01

Funding: \$168,521

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

University of California Firearm Violence Research Center (Wintemute)

Role on Project: Subaward Principal Investigator

Dates: July 4, 2017 – June 30, 2022

Funding Agency: University of California, Office of the President

Funding: \$250,000

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

PENDING

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

Role on Project: Principal Investigator

Dates: July 1, 2018 – June 30, 2023

Funding Agency: National Institutes of Health; R01

Funding: \$3,728,613

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.

Economic Setbacks and Pregnancy Outcomes across contrasting Social Safety Nets (Bruckner)

Role on Project: Co-Investigator

Dates July 1, 2018 – June 30, 2022

Funding Agency: National Institutes of Health

Funding: \$38,180

Description: Quantify the effects of economic setbacks on the risk of pregnancy loss, growth restriction, and preterm delivery in two societies – Denmark and the US – with contrasting social protection policies.

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 Mar 9. 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 May 17. 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 on rare outcomes: 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. Matthay 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. Matthay EC. Galin J, Rudolph KE, Farkas K, Wintemute G, **Ahern J**. Gun shows and firearm deaths and injuries in California: a quasi-experimental study of within-state and interstate associations. *Annals of Internal Medicine* 2017; doi: 10.7326/M17-1792. Recognized as Best of *Annals* 2017.
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* 2017; 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*. (In press)
109. 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*. (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.

In Press

7. **Ahern J**. Start with the C-word, follow the roadmap for causal inference. *American Journal of Public Health*. In press.

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.
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.
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 helath. [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.
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.
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. **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. Symposium: Changes in United States health policy: implications for substance use and injury. [*Oral Presentation*] Society for Epidemiologic Research 2018 Annual Meeting.