

# CURRICULUM VITAE

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## EDUCATION AND TRAINING

### Undergraduate

1999-2003	Brown University Providence, RI	Sc.B., 2003	Environmental Science, focus in Environmental Health
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### Graduate

2003-2005	University of Washington Seattle, WA	MPH, 2005	Epidemiology
2005-2009	University of Michigan Ann Arbor, MI	Ph.D., 2009	Epidemiology

### Post-Graduate

2009	University of Michigan Center for Social Epidemiology and Population Health, Ann Arbor, MI	Postdoctoral Fellow	Ana Diez Roux, Program Director, Epidemiology
2010-2012	University of California Berkeley School of Public Health Berkeley, CA	NIAAA Postdoctoral Fellowship	Paul Gruenewald and Carol Cunradi, Prevention Research Center, Mentors

## APPOINTMENTS AND POSITIONS

### Academic

2013-	Assistant Professor	Department of Behavioral and Community Health Sciences, University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA
2016-	Secondary Appointment	University of Pittsburgh Clinical and Translational Sciences Institute
2017-	Director	Center for Social Dynamics and Community Health University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA

### Non-Academic

2010-2015	Research Scientist & Associate Research Scientist	Prevention Research Center, Pacific Institute for Research and Evaluation, Berkeley, CA
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## MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2007 -	Society for Epidemiologic Research
2010 -	Research Society on Alcoholism
2009 - 2013	American Association of Geographers
2010 - 2012	Society for Prevention Research

## HONORS

2018	Invited Participant Leadership Academy for Early Career Faculty University of Pittsburgh Schools of the Health Sciences
2017	Nominee Chancellor's Award for Research, Junior Scholar University of Pittsburgh
2017	Innovation in Education Award University of Pittsburgh

- 2012 Junior Investigator Award  
Research Society on Alcoholism
- 2011 Invited Participant  
NIH Institute on Systems Science and Health  
(ISSH)
- 2007 Rackham Travel Grant  
University of Michigan
- 2007 Invited Participant  
Society for Epidemiologic Research Student  
Methods Workshop
- 2003 Departmental Honors  
Brown University
- 2000 Division I National Champion Women's Crew  
NCAA

**University of Pittsburgh Affiliations**

Center for Social Dynamics & Community Health  
Public Health Dynamics Lab  
Center for Health Equity  
Opioid Research Interest Group  
University Center for Social and Urban Research  
Bridging Connections in Addiction Research Steering  
Committee

## PROFESSIONAL ACTIVITIES

### 1. Teaching

#### a. Courses Taught

Years Taught	Course Number: Title	Credits and Hours of Lecture, Average Enrollment	Role in Course
2020	BCHS 2511 (Independent Study): Spatial Analysis	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor

<b>Years Taught</b>	<b>Course Number: Title</b>	<b>Credits and Hours of Lecture, Average Enrollment</b>	<b>Role in Course</b>
2015-2019	BCHS 3015: Community Mapping and Introductory Spatial Analysis	Credits and Hours of Lecture per week: 3 Average Enrollment: 20	Primary Instructor
2017-2019	BCHS 2991: Multilevel Analysis in Public Health	Credits and Hours of Lecture per week: 1, 3/week for 5 weeks Average Enrollment: 11	Co-Primary Instructor
2019	BCHS 2511 (Special Topics): Advanced Spatial Analysis	Credits and Hours of Lecture per week: 1 Enrollment: 4	Primary Instructor
2018	BCHS 2992: Systems Theories and Approaches	Credits and Hours of Lecture per week: 1, 3/week for 5 weeks Enrollment: 23	Co-Primary Instructor
2018	BCHS 2511 (Independent Study): Multilevel Analysis	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor
2018	BCHS 2511 (Independent Study): Agent-Based Modeling and Social Network Analysis	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor
2017	BCHS 2511 (Independent Study): Advanced Spatial Analysis	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor

<b>Years Taught</b>	<b>Course Number: Title</b>	<b>Credits and Hours of Lecture, Average Enrollment</b>	<b>Role in Course</b>
2016	BCHS 2511 (Independent Study): Exploring the Association Between Women's Access to Economic Resources and Intimate Partner Violence and Gender Attitudes Using a Population-Based Dataset	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor
2015	BCHS 2511 (Independent Study): Spatial Analysis and Multilevel Modeling	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor
2014	BCHS 2511 (Independent Study): Middle Level Theory: Explaining Health and Informing Interventions	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor
2014	BCHS 2511 (Independent Study): Agent-Based Modeling and Analytic Sociology	Credits and Hours of Lecture per week: 1 Enrollment: 1	Primary Instructor
2008	Introduction to Epidemiology	Credits and Hours of Lecture per week: 3 Enrollment: 100	Graduate Student Instructor
2007	Principles and Methods of Epidemiology	Credits and Hours of Lecture per week: 3 Enrollment: 70	Graduate Student Instructor
2005	Epidemiologic Data Analysis	Credits and Hours of Lecture per week: 2 Enrollment: 25	Teaching Assistant

**b. Other Teaching (lectures, tutorials and continuing education courses)**

<b>Date(s)</b>	<b>Type of Teaching</b>	<b>Title</b>
2017-2019	Guest Lecture, Social and Behavioral Sciences and Public Health	Methods to Study Social Dynamics in Public Health
2018	Guest Lecture, Special Studies in Spatial Analysis	Multiscale Analyses of Alcohol Outlets and Crime Reports in Oakland, CA
2018	Guest Lecture, Special Studies in Spatial Analysis	Spatial Data in Public Health
2014, 2016-2019	Guest Lecture, Social Epidemiology	Social Epidemiology: Key Study Designs
2018	Guest Lecture, Applied Multiple Regression Analysis and Causal Modeling for Behavioral and Community Health Sciences	Everything You Ever Wanted to Know About Spatial Analysis
2015, 2016, 2018	Guest Lectures, Integrative Research Seminar: Grant Writing	Drafting Specific Aims; Critiquing Grant
2016, 2017, 2018	Guest Lecture, Introduction to Community Health	Methods to Study Social Dynamics in Public Health
2014, 2016, 2017	Guest Lecture, Introduction to Applied Research	Mixed Methods Approaches in Public Health Research
2015, 2016	Guest Lecture, Doctoral Seminar on Paper Writing	
2013, 2014	Guest Lecture, Introduction to Community Health	Model-Based Approaches to Public Health Research and Intervention Development
2014	Guest Lecture, Introduction to Theories	Applying a Social Ecological Perspective to Social Epidemiology Research

**c. Major Advisor for Graduate Student Essays, Theses, and Dissertations**

<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Role</b>
Jessica Frankeberger	Ph.D., In Progress		Primary Advisor

<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Role</b>
Devon Descutner	MPH, In Progress		Academic Advisor and Thesis Committee Member
Erin McPherson	MPH, In Progress		Academic Advisor
John Ries	MPH, 2019	Thesis: Impact of a healthy living curriculum on diet and weight status in children who participate in the 5-2-1-0/Let's Move program	Thesis Chair and Academic Advisor
Ian Murphy	MPH, 2018	Thesis: Understanding the dyad: Adaptation of a video-based coding system for interactions between adults and young children	Thesis Chair and Academic Advisor
Charlie Borowicz	MPH, 2018	Thesis: Comprehensive recommendations for improving the healthcare experience of gender-variant, gender non-conforming, and transgender individuals	Academic Advisor and Thesis Committee Member
Chelsea Proulx	MPH, 2017	Thesis: Effects of LGBTQ-inclusive sex education on mental health and experiences of bullying among U.S. high school students. <i>Award Received: Second Place Award for Master's Student Research, 2017 Dean's Day Student Research Competition, Graduate School of Public Health, University of Pittsburgh.</i>	Thesis Chair
Dana Heilman	MPH, 2017	Essay: Social disorganization, harm reduction, and Hepatitis C	Thesis Chair

<b>Name of Student</b>	<b>Degree Awarded, Year</b>	<b>Type of Document and Title</b>	<b>Role</b>
Samik Patel	BS, 2018	Undergraduate Honors College Thesis: Syringe exchange service mapping and analysis with neighborhood level factors within Pittsburgh Pennsylvania. Thesis published in <i>Undergraduate Journal of Service Learning and Community-Based Research</i> , Volume 7	Thesis Advisor

#### **d. Service on Masters or Doctoral Committees**

##### **Doctoral Committees**

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation</b>
2019 -	Sarah Sanders	In Progress (Ph.D.)	Disparities in geographic and financial access to birth center care between Black and White childbearing populations in the United States
2019 -	Mohammed Bu-Saad	In Progress (Ph.D.) Epidemiology	
2017 -	Jessica Thompson	In Progress (Ph.D.)	Informing cardiovascular disease prevention among rural Appalachian women: A community-engaged mixed method study. Funding: National Heart, Lung, and Blood Institute NRSA Individual Predoctoral Fellowship (F31)
2018 -	Darius Bittle-Dockery	In Progress (Ph.D.) Anthropology	Informational assemblages of chronicity and the biopolitics of Syrian refugee care in Jordan
2018 -	Mary Schiff	In Progress (Ph.D.) Epidemiology	Neighborhood Structural Disadvantage and Cardiovascular Risk: Impacts of Residential Socioeconomic Deprivation, Neighborhood Deterioration, Spatial Segregation, and Cumulative Disadvantage on Cardiometabolic Health in Midlife Women

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Dissertation</b>
2018 -	Brian Adams	In Progress (Ph.D.)	Intimate partner violence within male same-sex partnerships
2019 -	Katherine Hails	In Progress (Ph.D.) Clinical Psychology	Child, family, and neighborhood predictors of children's Body Mass Index: A longitudinal study of moderated mediation
2018 - 2019	Tenley Brownwright	Ph.D. Epidemiology	High resolution vaccination coverage data in the US and Africa: A geographic risk analysis
2017 - 2019	Johnathan Raviotta	Ph.D.	Overcoming barriers to improved immunization rates in primary care
2017 - 2019	Christian Garcia-Carvallo	Ph.D. Epidemiology	Influenza dynamics in Chile
2017 - 2019	Candice Biernesser	Ph.D.	Social media's impact on adolescent suicide risk
2016 - 2018	Gretchen White	Ph.D. Epidemiology	Alcohol use and weight status
2016 - 2018	Stephen Liu	Ph.D. Epidemiology	Latent classes and survival of hospitalized opioid users in Pennsylvania
2016 - 2017	Alexandra Bellis	Ph.D., Community Psychology; Georgia State University	Alcohol outlet density, heavy episodic drinking, and sexual violence perpetration: A multilevel mediation model
2014 - 2017	Robert Coulter	Ph.D.	Detecting, explaining, and reducing substance use, mental health, and violence inequities for sexual and gender minority youth and emerging adults

### **Masters Committees**

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Thesis/Essay</b>
2020	Margaret Carr	MPH Epidemiology	Availability of Hepatitis C services in drug and alcohol treatment facilities in Pennsylvania

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Thesis/Essay</b>
2020	Elizabeth Born	MHA Health Policy and Management	Patient and family advisory councils within healthcare organizations
2019 -	Kavita Vinekar	MPH	Crisis pregnancy centers and abortion facilities in the United States: a spatial analysis
2019	Brandon Herbert	MPH Epidemiology	A cross-sectional analysis of the association between the American Heart Association's Life's Simple 7 and social risk factors in US adults: NHANES 2015-2016
2017 - 2018	William Louth	MPH	Award Received: <i>Award for Best Master's Student Presentation in the Department of Behavioral and Community Health Sciences, 2018</i> Dean's Day Student Research Competition, Graduate School of Public Health, University of Pittsburgh.
2015 - 2018	Emilie Feng	MPH Environmental and Occupational Health	Mercury exposure through subsistence hunted land and sea mammals among Alaskan Natives
2017	Natalie Sumetsky	MPH Biostatistics	Spatiotemporal modeling of opioid abuse and dependence outcomes using Bayesian hierarchical methods
2017	Abigail Baines	MPH	Risk factors for elder abuse mapped across Pennsylvania counties: Can we determine areas of need?
2017	Amanda Welk	MPH	Evaluation of naloxone take-home kit distribution to emergency department patients treated and released for opioid overdose
2016	Yuruo Li	MPH Epidemiology	Mathematical models of subpopulation-specific sexual interactions for HIV transmission and control

<b>Dates Served</b>	<b>Name of Student</b>	<b>Degree Awarded</b>	<b>Title of Thesis/Essay</b>
2015	Katie Naper	MPH	Community-oriented approaches to opioid abuse among the homeless in Allegheny County: A literature review
2015	Maria Anies	MPH	Barriers to antiretroviral therapy adherence for HIV positive adolescents in South Africa
2014	Sarah Bowen-Salio	MPH	The fat and thin of it: Neighborhood environment and obesity in the Allegheny County Health Survey

**e. Service on Comprehensive or Qualifying Examination Committees**

<b>Dates Served</b>	<b>Student Population</b>	<b>Type of Exam</b> (Qualifying/Comprehensive)
2015 - 2017	3 Ph.D. BCHS students	Preliminary Exam
2014 - 2019	13 Ph.D. students (BCHS, Epidemiology)	Comprehensive Exam
2016 - 2019	15 Ph.D. students (BCHS, Epidemiology, Clinical Psychology, Anthropology)	Overview Exam
2014	1 Ph.D. student (McGill University, Epidemiology)	External Reviewer
2017	1 Ph.D. student (Georgia State University, Community Psychology)	Dissertation Proposal Exam

**f. Supervision of Post-Doctoral Students, Residents, Junior Faculty, and Fellows**

<b>Dates Supervised</b>	<b>Name and Position of Trainee</b>	<b>Role</b>
2019 -	Kristina Rudd Assistant Professor Department of Critical Care Medicine University of Pittsburgh School of Medicine	Mentor, Submitted KL-2 and K23 “The syndemic of sepsis, multimorbidity, aging, and low healthcare access and quality”

<b>Dates Supervised</b>	<b>Name and Position of Trainee</b>	<b>Role</b>
2019 -	Coleman Drake Assistant Professor Department of Health Policy and Management University of Pittsburgh Graduate School of Public Health	Mentor, Funded KL-2 “Geographic access to medication assisted treatment for Medicaid enrollees with opioid use disorder”
2018 -	Robert Coulter Assistant Professor Department of Behavioral and Community Health Sciences University of Pittsburgh Graduate School of Public Health	Mentor, Funded K01 “Developing and piloting a school staff-based intervention to reduce alcohol and drug use among sexual minority youth”
2018 -	Franziska Rosser Assistant Professor of Pediatrics University of Pittsburgh School of Medicine	Mentor, Funded KL-2 “Vitamin D status, ambient air pollution, and severe asthma exacerbations in children”
2017 - 2019	Shaina Stacy Postdoctoral Scholar Department of Epidemiology University of Pittsburgh Graduate School of Public Health University of Pittsburgh Cancer Institute	Co-Mentor

## **g. Curriculum Development Activities**

Social Dynamics & Community Health course series development

2015 – present

Department of Behavioral and Community Health Sciences

University of Pittsburgh Graduate School of Public Health

Six 1 credit courses; one introductory course and 5 methods-specific courses

Multilevel Statistical Modeling course development

2017 – 2018

Department of Behavioral and Community Health Sciences

University of Pittsburgh Graduate School of Public Health

Developed a flipped classroom model using Innovative Educational Technologies

## **2. Research and Training**

### **a. Grants and Contracts Received**

**Principal Investigator**

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
2018 -	Framework for Behavioral Risk Models of Alcohol Problems (5P60AA006283-37)	NIH-NIAAA	\$304,074	30%
2016 -	Explaining Local Impacts of Off-Premise Alcohol Outlets on Problems (R01AA024759)	NIH-NIAAA	\$248,603	40%
2017 - 2018	Can Access to Medical Cannabis Dispensaries Change Patterns of Opioid Overdose Deaths?	University of Pittsburgh CTSI Pain Research Challenge	\$40,000	8%
2018 - 2019	I-Corps: A Wearable, Biomarker-Tracking Device Platform Using Machine Learning and Predictive Technology for Positive Behavior Change. Award #1850040	National Science Foundation	\$50,000	Donated
2017	Teaching Multilevel Statistical Modeling with Innovative Educational Technologies	University of Pittsburgh Innovation in Education	\$4,781	2%
2013-2017	Dose-Response and Context-Specific Sexual Risks amongst College Students (R21AA021438)	NIH-NIAAA	\$118,750	40%
2014-2016	Adolescent Girls' Substance Use-Related Problems and Contexts of Use	Center for Research Development Funds, University of Pittsburgh	\$15,000	Donated

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
2015-2016	Social Ecological Contexts of Opioid Use and Overdose in Pennsylvania: A Mixed Methods Study	Dean's Pilot Grant Program on Advancing Research on Opioid Drug and Heroin Addiction, University of Pittsburgh	\$24,150	Donated
2014-2015	Teen Dating Violence Prevention: A Pilot Study	Center for Health Equity, University of Pittsburgh	\$2,500	Donated

**Co-Principal Investigator**

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Annual Direct Costs</b>	<b>% Effort</b>
2014-2015	IOTAS: It's OK To Ask Someone! A Sexual Health Textline and Millennial Peer Education Tool	Clinical & Translational Science Institute	\$25,000	Donated

**Co-Investigator**

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Average Annual Direct Costs</b>	<b>% Effort</b>
2016 -	Environmental Drinking Contexts & Intimate Partner Violence (R01AA022990)	NIH-NIAAA	\$414,589	Consultant
2016 - 2019	Impacts of Off-Premise Alcohol Outlets on Local Neighborhood Alcohol Problems (R01AA023085)	NIH-NIAAA	\$228,718	15%

<b>Years Inclusive</b>	<b>Grant and/or Contract Number and Title</b>	<b>Source</b>	<b>Average Annual Direct Costs</b>	<b>% Effort</b>
2018 - 2019	Machine Learning and Opioid Overdoses	Richard King Mellon Foundation	\$446,000	5%
2015 - 2018	School-Based Health Clinics: Effects on Youth and Young Adult Sexual Behavior (R01HD073386)	NIH-NICHD	\$270,800	5%
2018	PA Opioid Dashboard	State of PA from the Aetna Foundation	\$1,000,000	5%
2016 – 2018	Identifying Ecologically Valid Intervention Opportunities to Reduce Opioid Injection Drug Use in Southwestern Pennsylvania (R03DA043373)	NIH-NIDA	\$100,000	10%
2012-2015	Environmental Approaches to Prevention (P60AA006282)	NIH-NIAAA	\$1,621,026	20%
2012 - 2015	Community Alcohol Outlet Density, Drunken Driving and Violence: Core Group Theory (R01AA019773)	NIH-NIAAA	\$318,205	20%

**b. Invited Lectureships and Major Seminars Related to Your Research**

<b>Date</b>	<b>Title of Presentation</b>	<b>Venue</b>
May 2020	Agent-based models and behavioral risk models for alcohol-related problems	Division of Adolescent Medicine Research Methods Seminar, University of Pittsburgh
December 2019	Challenges in Mathematical and Computational Modeling of Complex Systems	Banff International Research Station for Mathematical Innovation and Discovery (BIRS)

<b>Date</b>	<b>Title of Presentation</b>	<b>Venue</b>
January 2019	The importance of multi-resolution spatial modeling approaches in public health	Coffee & Collaboration, Department of Biostatistics, University of Pittsburgh
October 2018	Applying a behavioral modeling framework to alcohol-related problems in community settings	Modeling of Social Dynamics & Health Behavior Conference, University of Pittsburgh
May 2018	Environmental approaches to prevention: Theories, mechanisms, models, new directions	Public Health Dynamics Seminar, University of Pittsburgh
May 2018	Panel Presentation: Modeling urban systems	Modeling the World's Systems Conference, University of Pittsburgh
April 2018	Using agent-based models to understand community social ecologies	Modeling Anarchy, Governance, and Technological Problems Using Agent Based Modeling conference, University of Pittsburgh
March 2018	Using agent-based models to understand community social ecologies	Computational Social Science retreat, University of Pittsburgh
February 2018	Designing and evaluating a hybridized course for multilevel analysis in public health	Teaching Partners meeting, University Center for Teaching and Learning, University of Pittsburgh
June 2017	Can agent-based modeling approaches help us reduce alcohol-related problems in community settings?	Center for the Study of Health and Risk Behaviors, University of Washington
February 2017	Social ecological contexts of opioid use and overdose in Pennsylvania	Graduate School of Public Health Grand Rounds presentation, University of Pittsburgh
October 2016	Social ecological contexts of opioid use and overdose in Pennsylvania	Pennsylvania Department of Health (PADOH) Public Health Seminar

<b>Date</b>	<b>Title of Presentation</b>	<b>Venue</b>
October 2016	Sexual violence on college campuses: The impacts of alcohol consumption, drinking contexts, and co-use of marijuana (and some thoughts about environmental prevention)	Public Health Dynamics Seminar, University of Pittsburgh
June 2016	Can environmental prevention play a role in reducing sexual assault on college campuses?	NIAAA Working Group on Intervention Development for Alcohol-Related Sexual and Intimate Partner Violence, RSA Satellite Meeting
May 2016	Social ecological contexts of opioid use and overdose in Pennsylvania: A mixed methods study	Graduate School of Public Health Board of Visitors meeting, University of Pittsburgh
January 2016	Modeling social mechanisms of substance use & related problems: methods to determine effective loci for prevention	Penn State Methodology Center
November 2015	Reducing sexual violence among college students: Prospects for context-specific interventions	Reducing Dangerous and Underage Drinking: Innovative Solutions for the Millennial Generation conference, University of Pittsburgh
September 2015	Impacts of marijuana dispensaries on local communities	Sloan Symposium, Carnegie Mellon University
December 2014	Reducing risky sex among college students: Prospects for context-specific interventions	University of Pittsburgh Department of Epidemiology Seminar Series
February 2014	Drinking contexts & high-risk sexual behaviors	NIAAA Workshop to Consider Next Steps in HIV Preventive Intervention Development

<b>Date</b>	<b>Title of Presentation</b>	<b>Venue</b>
October 2013	Varying impacts of alcohol outlet densities on violent assaults	Drexel School of Public Health Department of Epidemiology/Biostatistics Seminar and Mini-Symposium
September 2013	The social ecology of alcohol use and related problems	Public Health Dynamics Seminar, University of Pittsburgh
June 2013	Connecting social epidemiology and social ecology	Social Ecology of Alcohol Use Satellite Meeting, Research Society on Alcoholism
April 2013	Social ecology of substance use	Environment, Molecules and Population Health seminar, Columbia University
February 2013	The social ecology of substance use: Model-based approaches to identify mechanisms	Behavioral and Community Health Sciences seminar, University of Pittsburgh
January 2011	The associations of neighborhood social and physical conditions with depressive symptoms	Happy People, Happy Places conference, McGill University
October 2010	The associations of neighborhood social and physical conditions with depressive symptoms	Prevention Research Center Postdoctoral seminar
June 2007	Neighborhood characteristics and change in depressive symptoms: To condition on baseline or not to condition on baseline?	Society for Epidemiologic Research Student Workshop
October 2006	Whether or not to condition on baseline when using a change score	Center for Social Epidemiology and Population Health research meeting, University of Michigan

**c. Major Conferences Developed and Co-Chaired Related to Your Research**

<b>Date</b>	<b>Title of Conference</b>	<b>Venue</b>
October 2018	Modeling of Social Dynamics & Health Behavior Conference	University of Pittsburgh University Club
December 2019	Challenges in Mathematical and Computational Modeling of Complex Systems	Banff International Research Station for Mathematical Innovation and Discovery (BIRS)

## PUBLICATIONS

### 1. Refereed Articles (\* indicates student publication; \*\* indicates Senior authored publication)

1. **Mair C**, Sumetsky N, Gruenewald PJ, Lee JP. Microecological relationships between area income, off-premise alcohol outlet density, drinking patterns and alcohol use disorders: The East Bay Neighborhoods Study. *Alcoholism: Clinical & Experimental Research*. In Press.
2. Ghanem L, Lee JP, Sumetsky N, Pagano A, Gruenewald PJ, **Mair C**. Place management in off-premise alcohol outlets: Results of a multi-methods study in a six-city California area. *International Journal of Drug Policy*. In Press.
3. \* Biernesser C, Sewall C, Brent D, Bear T, **Mair C**, Trauth J. Social media use and deliberate self-harm among youth: A systematized narrative review. *Children and Youth Services Review*. In Press.
4. **Mair C**, Sumetsky N, Gaidus A, Ponicki WR, Gruenewald PJ. Multi-resolution analyses of neighborhood correlates of crime: Smaller is not better. *American Journal of Epidemiology*. In Press.
5. \* Thompson JR, Creasy SL, **Mair CF**, Burke JG. Drivers of opioid use in Appalachian Pennsylvania: Cross-cutting social and community-level factors. *International Journal of Drug Policy*. 2020.
6. \*\* Burke JG, Thompson JR, Mabry PL, **Mair CF**. Introduction to the theme issue on dynamics of health behavior: Revisiting systems science for population health. *Health Education & Behavior*. 2020; 47(2):185-190.
7. \* Sumetsky N, **Mair C**, Anderson S, Gruenewald PJ. A Spatial Partial Differential Equation Approach to Addressing Unit Misalignments in Bayesian Poisson Space-Time Models. *Spatial and Spatio-temporal Epidemiology*. 2020; 33:100337.
8. Caetano R, Cunradi CB, Alter HJ, **Mair C**. Co-occurrence of multiple risk factors and intimate partner violence in an urban emergency department. *Western Journal of Emergency Medicine*. 2020; 21(2):282.

9. \*\* Wilson JD, Sumetsky NM, Coulter RW, Liebschutz J, Miller E, **Mair CF**. Opioid-related disparities in sexual minority youth, 2017. *Journal of Addiction Medicine*. 2020.
10. Cunradi CB, Dellor E, Alter HJ, Caetano R, **Mair C**. Problem drinking and marijuana use as risks for unidirectional and bidirectional partner violence. *Partner Abuse*. 2020; 11(1):57-75.
11. Rosser F, Forno E, Kurland KS, Han YY, **Mair C**, Acosta-Pérez E, Canino G, Celedón JC. Annual SO<sub>2</sub> exposure, asthma, atopy, and lung function in Puerto Rican children. *Pediatric Pulmonology*. 2020; 55(2):330-337.
12. Coulter RW, Jun HJ, Truong N, **Mair C**, Markovic N, Friedman MR, Silvestre AJ, Stall R, Corliss HL. Effects of familial and non-familial warmth during childhood and adolescence on sexual-orientation disparities in alcohol use trajectories and disorder during emerging adulthood. *Drug and Alcohol Dependence*. 2019; 205:107643.
13. **Mair C**, Frankeberger J, Gruenewald PJ, Morrison CN, Fresithler B. Space and place in alcohol research. *Current Epidemiology Reports*. 2019; 6(4):412-422.
14. \*\* Jacobs LA, Ashcraft LE, Sewall CJ, Folb BL, **Mair C**. Ecologies of juvenile reoffending: A systematic review of risk factors. *Journal of Criminal Justice*. 2019; 101638.
15. Goldstick JE, Zeoli A, **Mair C**, Cunningham RM. US firearm-related mortality: National, state, and population trends, 1999–2017. *Health Affairs*. 2019; 38(10):1646-1652.
16. \*\* Sumetsky N, Burke JG, **Mair C**. Opioid-related diagnoses and HIV, HCV, and mental disorders: Using Pennsylvania hospitalization data to assess community-level relationships over space and time. *Journal of Epidemiology and Community Health*. 2019; 73(10):935-940.
17. \* Coulter RWS, Egan JE, Kinsky S, Friedman MR, Eckstrand KL, Frankeberger J, Folb BL, **Mair C**, Markovic N, Silvestre AJ, Stall R, Miller E. Mental health, drug, and violence interventions for sexual/gender minorities: A systematic review. *Pediatrics*. 2019; 144(3):e20183367.
18. \* Liu SJ, **Mair C**, Songer TJ, Krans E, Wahed A, Talbott E. Opioid-related hospitalizations in Pennsylvania: a latent class analysis. *Drug and Alcohol Dependence*. 2019; 202:185-190.
19. \* White GE, **Mair C**, Richardson GE, Courcoulas AP, King WC. Alcohol use among adults, by weight status and weight loss attempt: 2011-2016 NHANES. *American Journal of Preventive Medicine*. 2019; 57(2):220-230.
20. \* Stacy SL, Buchanich JM, Ma ZQ, **Mair C**, Robertson L, Sharma RK, Talbott EO, Yuan JM. Maternal obesity, birth size, and risk of childhood cancer development. *American Journal of Epidemiology*. 2019; 188(8):1503-1511.

21. \* White GE, Richardson GA, **Mair C**, Courcoulas AP, King WC. Do associations between alcohol use and alcohol use disorder vary by weight status? Results from the National Epidemiological Survey on Alcohol and Related Conditions-III. *Alcoholism: Clinical and Experimental Research*. 2019; 43(7):1498-1509.
22. Caetano R, Cunradi CB, Alter HJ, **Mair C**, Yau RK. Drinking and intimate partner violence severity levels among US ethnic groups in an urban emergency department. *Academic Emergency Medicine*. 2019; 26(8):897-907.
23. \* White GE, Courcoulas AP, Richardson GA, **Mair C**, King WC. Alcohol use thresholds for identifying alcohol-related problems before and following Roux-en-Y gastric bypass. *Annals of Surgery*. 2019; 269(6):1001-1009.
24. Gruenewald PJ, **Mair C**. Heterogeneous dose-response analyses of alcohol abuse and dependence. *Alcoholism: Clinical and Experimental Research*. 2019; 43(2):299-308.
25. \*\* Proulx CN, Coulter RWS, Egan JE, Matthews DD, **Mair C**. Associations of Lesbian, Gay, Bisexual, Transgender, and Questioning-inclusive sex education with mental health outcomes and school-based victimization in U.S. high school students. *Journal of Adolescent Health*. 2019; 64(5):608-614.
26. **Mair C**, Sumetsky N, Burke JG, Gaidus A. Investigating the social ecological contexts of opioid use disorder and poisoning hospitalizations in Pennsylvania. *Journal of Studies on Alcohol and Drugs*. 2018; 79(6): 899-908.
27. Blosnich JR, Cassese EC, Friedman MR, Coulter RWS, Sang JM, Matthews DD, **Mair C**. Religious Freedom Restoration Acts and sexual minority population health. *American Journal of Orthopsychiatry*. In Press.
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31. \*\* Coulter RWS, Bersamin M, Russell ST, **Mair C**. The effects of gender- and sexuality-based harassment on lesbian, gay, bisexual, and transgender substance use disparities. *Journal of Adolescent Health*. 2018;62(6):688-700.
32. \* Coulter RWS, **Mair C**, Miller E, Blosnich JR, Matthews DD, McCauley HL. Prevalence of past-year sexual assault victimization among undergraduate students: exploring differences by and intersections of gender identity, sexual identity, and race/ethnicity. *Prevention Science*. 2017; 18(6):726-736.

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45. **Mair C**, Lipperman-Kreda S, Gruenewald PJ, Bersamin M, Grube JW. Adolescent drinking risks associated with specific drinking contexts. *Alcoholism: Clinical and Experimental Research*. 2015; 39(9):1705-1711.

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47. Gruenewald PJ, **Mair C**. Heterogeneous dose-response and college student drinking: examining problem risks related to low drinking levels. *Addiction*. 2015; 110(6):945-954.
48. Lipperman-Kreda S, **Mair CF**, Bersamin M, Gruenewald PJ, Grube JW. Who drinks where: Youth selection of drinking contexts. *Alcoholism: Clinical and Experimental Research*. 2015; 39(4):716-723.
49. Marzell M, Morrison C, **Mair C**, Moynihan S, Gruenewald PJ. Examining drinking patterns and high-risk drinking environments among college athletes at different competition levels. *Journal of Drug Education*. 2015; 45(1):5-16.
50. **Mair C**, Diez Roux AV, Golden SH, Rapp S, Seeman T, Shea S. Change in neighborhood environments and depressive symptoms in New York City: The Multi-Ethnic Study of Atherosclerosis. *Health & Place*. 2015; 32:93-98.
51. Cunradi CB, Todd M, **Mair C**. Discrepant Patterns of Heavy Drinking, Marijuana Use, and Smoking and Intimate Partner Violence: Results from the California Community Health Study of Couples. *Journal of Drug Education*. 2015; 45(20):73-95.
52. Lipperman-Kreda S, **Mair C**, Grube JW, Friend KB, Jackson P, Watson D. Density and proximity of tobacco outlets to homes and schools: Relations with youth cigarette smoking. *Prevention Science*. 2014; 15(5):738-744.
53. Bodnar LM, **Mair CF**. Re: "the vitamin D hypothesis revisited: race-based disparities in birth outcomes in the United States and ultraviolet light availability". *American Journal of Epidemiology*. 2014; 180(3): 332-333.
54. Cunradi CB, **Mair C**, Todd M. Alcohol outlet density, drinking contexts and intimate partner violence: A review of environmental risk factors. *Journal of Drug Education*. 2014; 44:19-33.
55. **Mair C**, Cunradi CB, Gruenewald PJ, Todd M, Remer L. Drinking context-specific associations between intimate partner violence and frequency and volume of alcohol consumption. *Addiction*. 2013; 108(12):2102-2111.
56. Cunradi CB, Todd M, **Mair C**, Remer L. Intimate partner violence among California couples: Multilevel analysis of environmental and partner risk factors. *Partner Abuse*. 2013; 4(4):419-443.
57. **Mair C**, Gruenewald PJ, Ponicki WR, Remer L. Varying impacts of alcohol outlet densities on violent assaults: explaining differences across neighborhoods. *Journal of Studies on Alcohol and Drugs*. 2013; 74(1):50-58.
58. Laborde ND, **Mair C**. Alcohol use patterns among postpartum women. *Maternal and Child Health Journal*. 2012; 16(9):1810-9.

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60. Cunradi CB, **Mair C**, Todd M, Remer L. Drinking context and intimate partner violence: evidence from the California community health study of couples. *Journal of Studies on Alcohol and Drugs*. 2012; 73(5):731-739.
61. Cunradi CB, **Mair C**, Ponicki W, Remer L. Alcohol outlet density and intimate partner violence-related emergency department visits. *Alcoholism: Clinical and Experimental Research*. 2012; 36(5):847-853.
62. Auchincloss AH, Gebreab SY, **Mair C**, Diez Roux AV. A review of spatial methods in epidemiology, 2000-2010. *Annual Review of Public Health*. 2012; 33:107-122.
63. **Mair C**, Kaplan GA, Everson-Rose SA. Are there hopeless neighborhoods? An exploration of environmental associations between individual-level feelings of hopelessness and neighborhood characteristics. *Health & Place*. 2012; 18(2):434-439.
64. Cunradi CB, **Mair C**, Ponicki W, Remer L. Alcohol outlets, neighborhood characteristics, and intimate partner violence: ecological analysis of a California city. *Journal of Urban Health*. 2011; 88(2):191-200.
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66. **Mair C**, Diez Roux AV, Morenoff JD. Neighborhood stressors and social support as predictors of depressive symptoms in the Chicago Community Adult Health Study. *Health & Place*. 2010; 16(5):811-819.
67. **Mair C**, Diez Roux AV, Osypuk TL, Rapp SR, Seeman T, Watson KE. Is neighborhood racial/ethnic composition associated with depressive symptoms? The multi-ethnic study of atherosclerosis. *Social Science & Medicine*. 2010; 71(3):541-550.
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## 2. Presentations and Posters

1. Cunradi CB, Ponicki WR, Alter HJ, Caetano R, **Mair C**, Lee J, Pagano A. Context-

specific dose-response models of intimate partner violence among an urban Emergency Department sample. Presented at: Research Society on Alcoholism Annual Meeting; 2019 June; Minneapolis, MN.

2. **Mair C**, Sumetsky N, Gruenewald PJ, Zheng K, Grefenstette JJ. Accelerating youth risks for alcohol problems: Ecological impacts of drinking opportunities. Presented at: Research Society on Alcoholism Annual Meeting; 2019 June; Minneapolis, MN.
3. Lee JP, Ghanem L, Pagano A, **Mair C**, Gruenewald PJ. Invisible hands: Off-sales alcohol retailers between supply and demand. Presented at: Kettil Bruun Society Annual Meeting; 2019 June; Utrecht, Netherlands.
4. Lee JP, Ponicki WR, Ghanem L, Pagano A, **Mair C**, Gruenewald PJ. What gets on the shelf: Social ecology of off-premise alcohol sales in diverse East Bay Area neighborhoods. Presented at: Society for Prevention Research Annual Meeting; 2019 May; San Francisco, CA.
5. Gruenewald PJ, Lee JP, **Mair C**. Alcohol, cannabis, and tobacco product use across the social gradient: Six-city neighborhood survey. Presented at: Society for Prevention Research Annual Meeting; 2019 May; San Francisco, CA.
6. Stacy SL, Buchanich JM, Ma Z, **Mair C**, Robertson L, Sharma RK, Talbott EO, Yuan J. Early life risk factors and childhood cancer risk. Presented at: American Association for Cancer Research Annual Meeting; 2019 April; Atlanta, GA.
7. Creasy SL, Hawk M, Friedman MR, **Mair C**, McNaboe J, Egan J. Previously incarcerated transgender women: A mixed-methods study on experiences, needs, and resiliencies. Presented at: American Public Health Association Annual Meeting; 2018 November; San Diego, CA.
8. **Mair C**, Coulter RWS, Sumetsky N, Watson SM, O'Malley TL, Chung T, Hipwell AE. Trajectories of neighborhood change and associations with alcohol use amongst adolescent girls. Presented at: Research Society on Alcoholism Annual Meeting; 2018 June; San Diego, CA.
9. Caetano R, Cunradi CB, Dellor E, Alter HJ, **Mair C**. Ethnicity, drinking and intimate partner violence in an urban emergency department sample. Poster presented at: Research Society on Alcoholism Annual Meeting; 2018 June; San Diego, CA.
10. Cunradi CB, Dellor E, Alter HJ, Caetano R, **Mair C**. Problem drinking and marijuana use as risks for unidirectional and bidirectional partner violence among an urban emergency department sample. Poster presented at: Research Society on Alcoholism Annual Meeting; 2018 June; San Diego, CA.
11. White GE, King WC, **Mair C**, Courcoulas AP, Richardson G. Should recommended drinking limits for adults vary by weight status? Results from The National Epidemiological Survey On Alcohol And Related Conditions-III. Poster presented at: Research Society on Alcoholism Annual Meeting; 2018 June; San Diego, CA.
12. Coulter RWS, Jun H-J, Calzo JP, Truong NL, **Mair C**, Markovic N, Charlton BM, Silvestre AJ, Stall R, Corliss HL. Sexual-orientation differences in alcohol use trajectories and disorders in emerging adulthood: Longitudinal cohort study results. Poster presented at: Society for Research on Adolescence Biennial Meeting; 2018 April; Minneapolis, MN.
13. Coulter RWS, Paglisotti T, Russell ST, **Mair C**, Bersamin M, Miller E. Differences in protective school assets: Effects of intersecting sexual, gender, and racial/ethnic identities. Presented at: Society for Research on Adolescence Biennial Meeting; 2018

April; Minneapolis, MN.

14. Alter H, Caetano R, Cunradi CB, Dellor E, **Mair C**. Ethnicity, drinking, and intimate partner violence in an urban Emergency Department sample. Presented at: The Society for Academic Emergency Medicine Annual Meeting; 2018 May; Indianapolis, IN.
15. Orkis LT, Sumetsky N, Gruenewald PJ, Ponicki WR, **Mair C**. Associations between off-premise alcohol outlet features, neighborhood conditions and crime, Oakland, CA. Presented at: Alcohol Policy Conference 18; 2018 April; Washington, DC.
16. Sumetsky N, Gruenewald PJ, Ponicki WR, **Mair C**. Multiscale analyses of alcohol outlets and crime reports in Oakland, CA. Presented at: Alcohol Policy Conference 18; 2018 April; Washington, DC.
17. **Mair C**, Coulter RWS, Song M. Designing and evaluating a hybridized course for multilevel analysis in public health. Poster presented at: University of Pittsburgh's Assessment and Teaching Conference; 2018 January; Pittsburgh, PA.
18. Lee JP, Pagano A, Cunradi C, Alter H, Gruenewald PJ, **Mair C**. Use of alcohol sales outlets in a socially disadvantaged urban Emergency Department sample: A qualitative study. Poster presented at: Research Society on Alcoholism Annual Meeting; 2017 June; Denver, CO.
19. Burke JG, Thompson J, Quillen D, Creasy S, **Mair C**. Social ecological contexts of opioid use and overdose in Northern Appalachia. Poster presented at: Appalachian Translational Research Network Summit; 2017 November; Hershey, PA.
20. Ponicki WR, Lee JP, Gruenewald PJ, **Mair C**, Pagano A, Recarte C, Moore R, Gaidus A. What is a liquor store? Characteristics of off-premise alcohol sales outlets across a large urban area. Poster presented at: Research Society on Alcoholism Annual Meeting; 2017 June; Denver, CO.
21. **Mair C**, Gaidus A, Gruenewald PJ, Ponicki WR, Lee JP. Multiscale analysis of violent crime and neighborhood alcohol environments. Poster presented at: Society for Advancement of Violence and Injury Research Meeting; 2017 September; Ann Arbor, MI.
22. **Mair C**. Applying a behavioral risk modeling framework to alcohol-related problems in community settings. Presented at: Research Society on Alcoholism Annual Meeting; 2017 June; Denver, CO.
23. Burke JG, **Mair C**. Investigating the social ecological contexts of opioid use and overdose in Pennsylvania. Presented at: Society for Epidemiologic Research Annual Meeting; 2017 June; Seattle, WA.
24. Dodson ZM, Yoo EE, Buchanich J, **Mair C**. Understanding the level of uncertainty associated with data fusion for modeling the current opioid/heroin epidemic. Presented at: American Association of Geographers Annual Meeting; 2017 April; Boston, MA.
25. Jones JR, Kim J, Stull K, Modzelewski R, **Mair C**, Burke JG. A community engaged initiative to address breast health disparities in Allegheny County, PA. Poster presented at: Academically Based Community Engagement: An Idea Exchange; University of Pittsburgh; 2016 December; Pittsburgh, PA.
26. **Mair C**, Gruenewald PJ, Freisthler B. Sexual violence victimization and perpetration on college campuses: The Impacts of drinking contexts and co-use of marijuana. Presented at: Research Society on Alcoholism Annual Meeting; 2016 June; New Orleans, LA.
27. Lipperman-Kreda S, Bersamin M, Gruenewald PJ, Grube J, **Mair C**. Adolescents, alcohol and marijuana: Specific contexts and specific problems. Presented at: Research

- Society on Alcoholism Annual Meeting; 2016 June; New Orleans, LA.
28. Coulter RWS, Bersamin M, Russell S, **Mair C**. Sexuality- and gender-biased bullying victimization partially explains substance use disparities for LGBT adolescents. Paper presented at: Society for Research on Adolescence Biennial Meeting; 2016 March; Baltimore, MD.
  29. Coulter RWS, Marzell M, Saltz R, Stall R, **Mair C**. Sexual-orientation differences in drinking patterns and contexts of use among college students. Paper presented at: Reducing Dangerous & Underage Drinking: Innovative Solutions for the Millennial Generation; 2015 November; Pittsburgh, PA.
  30. Morrison C, Lee JP, **Mair C**, Gruenewald PJ. The social environment of barrooms as a predictor of assault. Poster presented at: Research Society on Alcoholism Annual Meeting; 2014 June; Seattle, WA.
  31. Lee JP, Morrison C, Gruenewald PJ, Antin TM, **Mair C**. Bar types: Characterizing bars as risk environments versus drinking contexts. Poster presented at: Research Society on Alcoholism Annual Meeting; 2014 June; Seattle, WA.
  32. Cunradi C, Todd M, **Mair C**. Discrepant patterns of drinking, smoking, and marijuana use and intimate partner violence: Results from the California Community Health Study of Couples. Poster presented at: Research Society on Alcoholism Annual Meeting; 2014 June; Seattle, WA.
  33. Lipperman-Kreda S, **Mair C**, Gruenewald PJ, Bersamin M, Grube JW. Who drinks where: The distribution of drinking in particular contexts among youths. Presented at: Research Society on Alcoholism Annual Meeting; 2014 June; Seattle, WA.
  34. **Mair C**, Lipperman-Kreda S, Gruenewald PJ, Bersamin M, Grube JW. Drinking context-specific associations between frequency and volume of youth alcohol use and related negative outcomes. Presented at: Research Society on Alcoholism Annual Meeting; 2014 June; Seattle, WA.
  35. **Mair C**, Lipperman-Kreda S, Gruenewald PJ, Bersamin M, Grube JW. Drinking context-specific associations between youth alcohol consumption and related problems. Presented at: Kettil Bruun Society Annual Meeting; 2014 June; Torino, Italy.
  36. Lipperman-Kreda S, **Mair C**, Gruenewald PJ, Bersamin M, Grube JW. Who drinks where: The distribution of drinking in particular contexts among youths. Presented at: Kettil Bruun Society Annual Meeting; 2014 June; Torino, Italy.
  37. **Mair C**, Cunradi CB, Gruenewald PJ, Todd M, Remer L. Drinking context-specific associations between intimate partner violence and frequency and volume of alcohol consumption. Poster presented at: Research Society on Alcoholism Annual Meeting; 2013 June; Orlando, FL.
  38. Cunradi CB, **Mair C**, Remer L. Facebook recruitment of young couples for drinking & intimate partner violence research: Pilot study results. Poster presented at: Research Society on Alcoholism Annual Meeting; 2013 June; Orlando, FL.
  39. Marzell M, Morrison C, **Mair C**, Gruenewald PJ. Do all athletes drink the same? Examining college athlete drinking patterns. Poster presented at: Research Society on Alcoholism Annual Meeting; 2013 June; Orlando, FL.
  40. Bavarian N, Marzell M, Paschall MJ, **Mair C**, Saltz RF. Do all college parties pose the same risk? An examination of the relationship between high-risk drinking environments and party characteristics using a multi-campus study. Poster presented at: Society for Prevention Research Annual Meeting; 2013 May; Washington, DC.

41. **Mair C**, Cunradi CB, Todd M. Do psychosocial characteristics and intoxication frequency mediate the relationship between adverse childhood experiences and intimate partner violence? Poster presented at: Research Society on Alcoholism Annual Meeting; 2012 June; San Francisco, CA.
42. Cunradi CB, Todd M, **Mair C**, Remer L. Intimate partner violence among California couples: Alcohol outlets, drinking, and partner characteristics. Poster presented at: Research Society on Alcoholism Annual Meeting; 2012 June; San Francisco, CA.
43. Cunradi CB, **Mair C**, Todd M, Remer L. Drinking context and intimate partner violence: Evidence from the California Community Health Study of Couples. Poster presented at: Research Society on Alcoholism Annual Meeting; 2012 June; San Francisco, CA.
44. Laborde N, **Mair C**. Alcohol use patterns among postpartum women. Poster presented at: NIAAA T32 Training Directors Meeting and Trainee Workshop; 2011 September; Providence, RI.
45. **Mair C**. Varying impacts of alcohol outlet densities on violent assaults: Explaining differences across neighborhoods. Poster presented at: NIAAA T32 Training Directors Meeting and Trainee Workshop; 2011 September; Providence, RI.
46. **Mair C**, Gruenewald PJ. An assessment of environmental correlates related to racial/ethnic disparities in low birth weight in California. Presented at: Society for Prevention Research Annual Meeting; 2011 June; Washington, DC.
47. **Mair C**, Gruenewald PJ. Ecological associations between alcohol outlet density and hospitalizations for violent assault injuries. Poster presented at: Epidemiology Congress; 2011 June; Montreal, Canada.
48. **Mair C**, Gruenewald PJ. Environmental correlates of low birth weight racial/ethnic disparities in California. Poster presented at: Epidemiology Congress; 2011 June; Montreal, Canada.
49. Laborde N, **Mair C**. Alcohol use and smoking patterns among postpartum women. Poster presented at: Research Society on Alcoholism Annual Meeting; 2011 June; Atlanta, GA.
50. Cunradi CB, **Mair C**, Ponicki W, Remer L. Alcohol outlet density and intimate partner violence-related emergency department visits. Poster presented at: Research Society on Alcoholism Annual Meeting; 2011 June; Atlanta, GA.
51. **Mair C**, Gruenewald PJ. Addressing unit misalignment in Bayesian models of space-time data: A case study investigating disparities in low birth weight. Presented at: American Association of Geographers Annual Meeting; 2011 March; Seattle, WA.
52. Gruenewald PJ, **Mair C**. Theoretical models and empirical explorations of crime and violence in relation to alcohol outlets. Presented at: American Society of Criminology Annual Meeting; 2010 November; San Francisco, CA.
53. **Mair C**, Kaplan GA, Everson-Rose SA. Neighborhoods and hopelessness. Poster presented at: Society for Epidemiologic Research Annual Meeting; 2010 June; Seattle, WA.
54. **Mair C**, Diez Roux AV, Osypuk TL, Rapp SR, Seeman T. Neighborhood racial/ethnic composition and depressive symptoms. Poster presented at: Society for Epidemiologic Research Annual Meeting; 2009 June; Anaheim, CA.
55. **Mair C**, Diez Roux AV, Morenoff JD. Neighborhood stressors and social support as predictors of depressive symptoms in the Chicago Community Adult Health Study.

Presented at: Society for Epidemiologic Research Annual Meeting; 2009 June; Anaheim, CA.

56. **Mair C**, Diez Roux AV, Echeverria S, O’Meara E, Seeman T, Shea S. Cross-sectional associations of neighborhood characteristics and depressive symptoms. Presented at: Society for Epidemiologic Research Annual Meeting; 2007 June; Boston, MA.

### 3. Media

1. Does America Have a Drinking Problem? Radio Interview on The Takeaway, which reaches 2.5 million listeners on nearly 300 stations nationwide. October 3, 2018. <https://www.wnycstudios.org/story/america-drinking-problem>
2. Alcohol’s health benefits hard to prove, but harms are easy to document. July 9, 2018. The Conversation. <https://theconversation.com/alcohols-health-benefits-hard-to-prove-but-harms-are-easy-to-document-98813>. 53,730 readers, republished in >25 sources including the Chicago Tribune, Philly.com, WBUR (NPR affiliate), Salon.com, the San Francisco Chronicle, the Los Angeles Times.
3. Discussion of the opioid epidemic in Western PA. ABC News National TV coverage, Conor Lamb victory party, March 2018.
4. Lower-class drinkers face worse heart health risks, study says. CNN, additionally top story for University of Pittsburgh PittDaily. <https://www.cnn.com/2018/01/02/health/alcohol-heart-disease-deaths-socioeconomic-study/index.html> January 2018.
5. The Opioid Epidemic: Pitt Public Health Tackles Knowledge Gaps. Video at <http://insideupmc.upmc.com/the-opioid-epidemic-pitt-public-health-tackles-knowledge-gaps/> April 2016.
6. Places with More Marijuana Dispensaries Have More Marijuana-Related Hospitalizations. Press release from UPMC. Covered by multiple radio, print, and online sources, including WESA (NPR affiliate), Pittsburgh Business Times, Live Science, and Medical Daily. 2015.
7. Research looks at drinking, sexual violence links. University of Pittsburgh University Times, Volume 47 Issue 9. January 2015.
8. Partner violence linked to specific drinking environments. Press release from Addiction. Covered by media sources including Reuters. September 2013.

## SERVICE

### 1. Service to School and University

Years	Committee	Position
2018 - 2020	Search Committees, Department of Behavioral and Community Health Sciences	Appointed Member

<b>Years</b>	<b>Committee</b>	<b>Position</b>
2018	Planning Committee, Modeling Social Dynamics and Health Behavior Conference	Co-Chair
2016 -	Faculty Diversity Committee	Appointed Member
2016 - 2019	Strategic Planning Committee	Member
2016 - 2019	MPH Curriculum Committee	Member
2014 - 2018	BCHS Master's Admissions Committee	Appointed Member
2014 - 2018	Dean's Day Poster Session, University of Pittsburgh Graduate School of Public Health	Judge
2016 -	Social Dynamics Seminar Series	Organizer
2015	Plunge into Public Health, University of Pittsburgh Graduate School of Public Health	Session Chair

## **2. Service to Field of Scholarship**

### **a. Editorial Boards, Editorships**

<b>Date</b>	<b>Position</b>	<b>Organization</b>
2019	Co-Editor, Journal Special Issue	Health Education & Behavior

### **b. Manuscript and Other Document/Publication Review**

#### **Journal Title**

Abstract Reviewer, Society for Epidemiologic Research  
Addiction  
American Journal of Epidemiology  
American Journal of Preventive Medicine  
American Journal of Public Health  
Archives of Sexual Behavior  
Depression and Anxiety  
Drug and Alcohol Dependence  
Drug and Alcohol Review

### **Journal Title**

Drugs: Education, Prevention & Policy  
Epidemiology  
European Journal of Psychiatry  
Evaluation and Policy Planning  
Health & Place  
Health Education & Behavior  
Injury Epidemiology  
International Journal of Drug Policy  
Journal of Adolescent Health  
Journal of American College Health  
Journal of Drug Issues  
Journal of Epidemiology and Community Health  
Journal of Family Violence  
Journal of Psychosomatic Research  
Journal of Quantitative Criminology  
Journal of Research in Crime and Delinquency  
Journal of Studies on Alcohol and Drugs  
Pediatrics  
PLoS ONE  
Psychology of Addictive Behaviors  
Psychosomatic Medicine  
Public Health  
Social Problems  
Social Psychiatry and Psychiatric Epidemiology  
Social Science & Medicine  
Sociological Inquiry  
Spatial and Spatio-temporal Epidemiology  
Tobacco Control

### **b. Study Sections, Review Panels, and Advisory Boards**

<b>Date</b>	<b>Position</b>	<b>Organization and Nature of Activity</b>
June 2020	Ad hoc member	NIH: Community-Level Health Promotion (CLHP) Study Section

<b>Date</b>	<b>Position</b>	<b>Organization and Nature of Activity</b>
October 2019	Ad hoc member	NIH: Community-Level Health Promotion (CLHP) Study Section
2018	Reviewer	University of Pittsburgh CTSI's Research Initiative for Special Populations Pilot Grant Review
2018	Reviewer	University of Pittsburgh CTSI's Biomedical Modeling Pilot Grants Review
2015, 2018	Reviewer	University of Pittsburgh Institute for Clinical Research Education (ICRE) Mock NIH Review
2014, 2016, 2018	Reviewer	Internal Grant Reviewer, BCHS Department
2016	Reviewer	University of Pittsburgh Center for Research on Health Care (CRHC) Internal Scientific Grant Review
October 19, 2015	Ad hoc member	NIH: NIAAA Epidemiology, Prevention and Behavior Research Review Subcommittee (AA-2) Study Section
March 25, 2015	Ad hoc member	NIH: NIAAA Epidemiology, Prevention and Behavior Research Review Subcommittee (AA-2) Study Section
2015	Reviewer	ASPPH/EPA Environmental Health Fellowship Program

**c. Leadership in Scholarly and Professional Organizations and Honorary Societies**

<b>Date</b>	<b>Position</b>	<b>Organization</b>
April 2018	Symposium Chair and Discussant	Alcohol Policy Conference 18 (AP18)
June 2017	Student Poster Tour Guide	Society for Epidemiologic Research (SER)
June 2017	Symposium Chair and Discussant	Society for Epidemiologic Research (SER)
April 2018	Symposium Chair and Discussant	Alcohol Policy Conference 18 (AP18)
June 2014	Symposium Chair	Research Society for Alcoholism (RSA)

