

CURRICULUM VITAE

William C. Goedel, PhD

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WILLIAM C. GOEDEL, PHD

PERSONAL INFORMATION

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EDUCATION

09/2013 – 05/2017 Bachelor of Arts, Global Public Health & Sociology
New York University College of Global Public Health
Advisor: Jennifer Jennings, PhD

09/2017 – 05/2020 Doctor of Philosophy, Epidemiology
Brown University School of Public Health
Advisor: Brandon Marshall, PhD

ACADEMIC APPOINTMENTS

06/2020 – 06/2022 Assistant Professor of Epidemiology (Research)
Brown University School of Public Health

07/2022 – 06/2025 Assistant Professor of Epidemiology (Teaching Scholar)
Brown University School of Public Health

05/2024 – Director of Graduate Studies, Doctoral Program in Epidemiology
Brown University School of Public Health

07/2025 – Associate Professor of Epidemiology (Teaching Scholar)
Brown University School of Public Health

08/2025 – Director of Undergraduate Studies, Concentration in Public Health (Interim)
Brown University School of Public Health

ACADEMIC AFFILIATIONS

01/2018 – Spatial Structures in the Social Sciences (S4) Program
Brown University Population Studies Training Center

06/2020 – 04/2024 Center for Epidemiologic Research
Brown University School of Public Health

08/2020 – 04/2024	Providence-Boston Center for AIDS Research Substance Use Research Core
03/2021 – 04/2024	People, Place, and Health Collective Brown University School of Public Health
04/2024 –	Pandemic Center Brown University School of Public Health
09/2024 –	Data Science Institute Brown University
12/2024 –	Swearer Center for Public Service Brown University

MEMBERSHIP IN SOCIETIES

Society for Epidemiologic Research

HONORS AND AWARDS

Dean's Scholarship, New York University College of Arts and Science	2013 – 2017
Awarded a full tuition merit-based scholarship for four years of undergraduate education	
Excellence in Research, New York University College of Global Public Health	2017
Awarded to one undergraduate student for highest achievement in research in public health	
First Prize, Brown University Department of Epidemiology Student Abstract Competition	2018
Awarded \$1,000 for travel to the Society for Epidemiologic Research Annual Meeting	
First Prize, Data Science and Sexual and Gender Minority Health Equity Paper Contest	2018
Awarded \$500 for one of three winning submissions	
Second Prize, Brown University Department of Epidemiology Student Abstract Competition	2019
Awarded \$750 for travel to the Society for Epidemiologic Research Annual Meeting	
Finalist, Society for Epidemiologic Research Tyroler Student Paper Prize	2020
Runner-up for best submitted paper by a student in a doctoral program in epidemiology	
Dean's Award for Excellence in Teaching, Brown University School of Public Health	2024
Recognized as one of two awardees for highest achievement in teaching in public health	
Fellow in University History, John Nicholas Brown Center for Advanced Study	2025 – 2026
Awarded year-long fellowship for research on a topic related to Brown University's historic legacies	

TEACHING ACTIVITIES

Courses

Spring 2021	Epidemiology and Control of Infectious Diseases (PHP 1854) Brown University School of Public Health <u>Enrollment:</u> 37 students (26 undergraduate, 11 graduate) <i>Note:</i> This course was co-instructed with Angela Bengtson, PhD.
Fall 2021	Foundations of Spatial Analysis in Public Health (PHP 2015) Brown University School of Public Health <u>Enrollment:</u> 7 graduate students
Fall 2022	Fundamentals of Epidemiology (PHP 0850) Brown University School of Public Health <u>Enrollment:</u> 57 undergraduate students
Fall 2022	Foundations of Spatial Analysis in Public Health (PHP 2015) Brown University School of Public Health <u>Enrollment:</u> 23 graduate students
Spring 2023	Fundamentals of Epidemiology (PHP 0850) Brown University School of Public Health <u>Enrollment:</u> 36 undergraduate students
Fall 2023	Fundamentals of Epidemiology (PHP 0850) Brown University School of Public Health <u>Enrollment:</u> 75 undergraduate students
Fall 2023	Foundations of Spatial Analysis in Public Health (PHP 2015) Brown University School of Public Health <u>Enrollment:</u> 23 graduate students
Fall 2023	Doctoral Seminar in Public Health (PHP 2950) Brown University School of Public Health <u>Enrollment:</u> 22 graduate students
Spring 2024	Interpretation and Application of Epidemiology (PHP 2180) Brown University School of Public Health <u>Enrollment:</u> 36 graduate students
Spring 2024	Doctoral Seminar in Public Health (PHP 2950) Brown University School of Public Health <u>Enrollment:</u> 22 graduate students

Fall 2024	Fundamentals of Epidemiology (PHP 0850) Brown University School of Public Health <u>Enrollment:</u> 77 undergraduate students
Fall 2024	Foundations of Spatial Analysis in Public Health (PHP 2015) Brown University School of Public Health <u>Enrollment:</u> 17 graduate students
Spring 2025	Interpretation and Application of Epidemiology (PHP 2180) Brown University School of Public Health <u>Enrollment:</u> 24 graduate students
Fall 2025	Epidemiology of Hope: Historical Perspectives on Public Health (PHP 0080) Brown University School of Public Health <u>Enrollment:</u> 19 undergraduate students
Fall 2025	Fundamentals of Epidemiology (PHP 0850) Brown University School of Public Health <u>Enrollment:</u> 80 undergraduate students
Spring 2026	Foundations of Spatial Analysis in Public Health (PHP 2015) Brown University School of Public Health <u>Enrollment:</u> 20 graduate students
Guest Lectures	
Spring 2021	Adolescent and Young Adult Health (PHP 1950) Brown University School of Public Health <u>Enrollment:</u> 18 students (9 undergraduate, 9 graduate) <u>Topic:</u> "State of Health Among LGBTQ Adolescents and Young Adults"
Spring 2021	Introduction to Public Health (PHP 0320C) Brown University School of Public Health <u>Enrollment:</u> 78 undergraduate students <u>Topic:</u> "Social Networks and Health"
Summer 2021	Introduction to Public Health (PHP 0320) Brown University School of Public Health <u>Enrollment:</u> 113 undergraduate students <u>Topic:</u> "Social Networks and Health"

Spring 2022	<p>Introduction to Public Health (PHP 0320)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 184 undergraduate students</p> <p><u>Topic:</u> "Social Networks and Health"</p>
Spring 2022	<p>Fundamentals of Epidemiology (PHP 405)</p> <p>University of Rhode Island College of Pharmacy</p> <p><u>Enrollment:</u> 48 undergraduate students</p> <p><u>Topic:</u> "Introduction to Social Epidemiology"</p>
Spring 2022	<p>Substance Use and Vulnerability to Addiction (PHP 1550)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 12 graduate students</p> <p><u>Topic:</u> "Neighborhood Effects on the Health of People Who Use Drugs"</p>
Spring 2022	<p>Epidemiology and Control of Infectious Diseases (PHP 1854)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 33 students (16 undergraduate, 17 graduate)</p> <p><u>Topic:</u> "Individual-Based Models for Assessing Disease Dynamics"</p>
Spring 2023	<p>Introduction to Public Health (PHP 0320)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 185 undergraduate students</p> <p><u>Topic:</u> "Social Networks and Health"</p>
Spring 2023	<p>Epidemiology and Control of Infectious Diseases (PHP 1854)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 13 students (4 undergraduate, 9 graduate)</p> <p><u>Topic:</u> "Individual-Based Models for Assessing Disease Dynamics"</p>
Spring 2024	<p>Introduction to Public Health (PHP 0320)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 165 undergraduate students</p> <p><u>Topic:</u> "Neighborhoods and Health"</p>
Spring 2024	<p>Surveillance Methods for Applied Epidemiology (PHP 2210)</p> <p>Brown University School of Public Health</p> <p><u>Enrollment:</u> 12 graduate students</p> <p><u>Topic:</u> "Principles of Spatial Analysis for Public Health Surveillance"</p>

Spring 2025	Introduction to Public Health (PHP 0320) Brown University School of Public Health <u>Enrollment:</u> 154 undergraduate students <u>Topics:</u> "Neighborhoods and Health"
Spring 2025	Surveillance Methods for Applied Epidemiology (PHP 2210) Brown University School of Public Health <u>Enrollment:</u> 22 graduate students <u>Topic:</u> "Principles of Spatial Analysis for Public Health Surveillance"

ADVISING AND MENTORING

Supervisor for [Meiklejohn Peer Advisors](#) for First Year Students

These undergraduate students served as part of an advising team for a cohort of 4 to 5 first-year students.

Kaitlyn Chan	2024 to 2025
Owen Fahey	2021 to 2022
Samuel Lederman	2025 to 2026
Selena Sheth	2022 to 2023

Exploratory Advisor

These undergraduate students received individualized academic mentoring while in their first four semesters.

Current Advisees

Eva Chandler	2025 to 2027
Alexander Fontecchio	2024 to 2026
Samaira Gupta	2024 to 2026
Emilie Holmes	2025 to 2027
Hannah Hunsaker	2024 to 2026
Medha Krishna	2025 to 2027
Sarah Leister	2024 to 2026
Stephanie Ma	2024 to 2026
Charlotte Murphy	2025 to 2027
Timothy Smith	2025 to 2027
Michael Xu	2025 to 2027
Phatee Yang	2024 to 2026

Former Advisees

Tenasica Barnwell	2022 to 2024
Garv Bhasin	2024 to 2025
Kate Cheong	2021 to 2023
Kate Choi	2022 to 2024
Noah Gomes	2022 to 2024
Cole Griscom	2021 to 2023

Katharine Knowles	2021 to 2023
Sofia Mrowka	2021 to 2023
Manav Musunuru	2022 to 2024
Mara Oancea	2024 to 2025
Coral Roost Rothenberg	2024 to 2025
Cristy Roso	2024 to 2025
Bruno Solano	2024 to 2025
Kelley Tu	2024 to 2025
Alexandra Tucker	2021 to 2023

Concentration Advisor for Bachelor of Arts in Public Health

These undergraduate students received individualized academic mentoring while in their last four semesters.

Current Advisees

Tenasica Barnwell	2024 to 2026
Anne Chang	2025 to 2027
Soniya Chawla	2025 to 2027
Kate Choi	2023 to 2026
Noah Cohen	2024 to 2027
Noah Gomes	2024 to 2026
Olivia Hall	2024 to 2026
Theodor Illarionov	2024 to 2027
Safwan Islam	2024 to 2026
Brianna Lucas	2024 to 2026
Claire Piron	2025 to 2028
Ashley Toby	2025 to 2027
Dominic Valt	2024 to 2026

Former Advisees

Sarah Albert-Rozenberg	2023 to 2024
Sydney Asnis	2023 to 2025
Benicio Beatty	2023 to 2025
Kaitlyn Chan	2024 to 2025
Kate Cheong	2023 to 2025
Madeline Day	2024 to 2025
Katherine Dowling	2021 to 2023
Hannah Fernandez	2021 to 2023
Sydney Fisher	2021 to 2023
Brynn Goggins	2021 to 2022
Cole Griscom	2023 to 2025
Jennifer Griffith	2021 to 2022
Graham Huntington	2024 to 2025
Jihwan Hwang	2021 to 2023

Grace Jordan	2022 to 2024
Joseph Kahn	2022 to 2024
Alana Kelley	2020 to 2022
Grace Kim	2021 to 2023
Ha-Jung Kim	2021 to 2023
Ian Kim	2023 to 2025
Katharine Knowles	2023 to 2025
Evelyn Lai	2022 to 2024
Nelson Lin	2021 to 2023
Zachary Lin	2022 to 2024
Rishik Manthana	2021 to 2023
Zoe Maxwell	2020 to 2022
Miguel Medrano	2021 to 2024
Imani McGregor	2020 to 2022
Kayla McLymont	2020 to 2022
Ryan Millard	2021 to 2022
Madeline Noh	2020 to 2021
Amelia Pennell	2021 to 2023
Diane Rakotomalala	2023 to 2025
Audrey Roche	2023 to 2025
Fatima Rodriguez	2024 to 2025
Gail Schor	2021 to 2023
Elbie Seibert	2021 to 2023
Noah Soutier	2022 to 2024
Mahadevan Subramanian	2021 to 2023
Linda Wakamoto	2021 to 2023
Zakiyah Whitaker	2021 to 2023

Certificate Advisor for the Certificate in Engaged Scholarship

These undergraduate students received individualized academic mentoring while in their last four semesters.

Current Advisees

Marlo Hulnick	2025 to 2026
Elizabeth Soyemi	2024 to 2026

Former Advisees

Nijpawi Gordon	2024 to 2025
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Undergraduate Teaching and Research Award **Mentor**

These students received individualized mentorship during a 14-week paid internship.

Cole Griscom Bachelor of Arts in Public Health Spring 2024

Project: Unlocking Rhode Island's Pandemic Past Using Artificial Intelligence

Ty Scott Bachelor of Arts in Public Health Summer 2021

Project: Assessing Racial/Ethnic Disparities in PrEP Persistence Among Gay and Bisexual Men

Undergraduate Honors Thesis **Advisor**

I was the primary faculty supervisor for these undergraduate students' year-long research projects.

Kaitlyn Chan Bachelor of Arts in Public Health 2024 to 2025

Title: Exploring Trends in Media Representation of the 1918 Influenza Pandemic in California

Current Role: Pursuing Doctor of Medicine at University of California, San Diego

Jihwan Hwang Bachelor of Arts in Public Health 2022 to 2023

Title: Association of Neighborhood-Level Indices of Socioeconomic Status with Cancer Screening

Current Role: Pursuing Doctor of Medicine at Icahn School of Medicine at Mount Sinai

Jennifer Labs Bachelor of Science in Applied Mathematics 2021 to 2022

Title: Projected Impact of Medicaid Expansion Among Black Gay and Bisexual Men in Mississippi

Current Role: Pursuing Juris Doctorate at Duke University

Nelson Lin Bachelor of Arts in Public Health 2022 to 2023

Title: Hypertension Control Among People Living with HIV with Prior or Current Stimulant Use

Current Role: Pursuing Doctor of Medicine at the University of California, San Francisco

Ryan Millard Bachelor of Arts in Public Health 2021 to 2022

Title: Quantifying the Impact of Out-of-Pocket Costs on Adherence to Pre-Exposure Prophylaxis

Current Role: Chief of Staff, McKinsey & Company

Vicki Pu Bachelor of Arts in Public Health 2025 to 2026

Title: Investigating Active Transportation Design and Chronic Diseases in Rhode Island

Current Role: Undergraduate student, Brown University

Undergraduate Honors Thesis **Reader**

I was the secondary faculty supervisor for these undergraduate students' year-long research projects.

Kate Choi Bachelor of Arts in Public Health 2025 to 2026

Title: An Empirical Analysis of Inpatient Service Changes Following Hospital Consolidation

Current Role: Undergraduate student, Brown University

Claire Myers Bachelor of Arts in Public Health 2021 to 2022
Title: Narrative Review of Prevalence of and Risk Factors for Anxiety During the COVID-19 Pandemic
Current Role: Recent graduate with Master of Public Health from Emory University

Master of Public Health Practicum Supervisor

These students received individualized mentorship during a 180-hour paid internship.

Rebecca Carrara Epidemiology Concentration Summer 2022
Project: Project SIGNAL: Plain Language Communication of Spatial Analytics for COVID-19 Response
Current Role: Analyst, Stage Analytics

Nathan Garcia-Diaz Epidemiology Concentration Summer 2024
Project: Project SIGNAL: Lessons Learned from COVID-19 Response to Inform Emergency Response
Current Role: Recent graduate with Master of Public Health from Brown University

Master of Public Health Thesis Advisor

I was the primary faculty supervisor for these graduate students' year-long research projects.

Hannah Fernandez Interdisciplinary Concentration 2023 to 2024
Title: Ecological Association of Recent Childbirth with Voter Turnout in Rhode Island
Current Role: Seeking employment in public sector

Nathan Garcia-Diaz Epidemiology Concentration 2024 to 2025
Title: Comparison of Area-Level Indices for Health Equity Promotion in Rhode Island
Current Role: Recent graduate with Master of Public Health from Brown University

Kyler Groner Epidemiology Concentration 2023 to 2024
Title: Ecological Association of Eviction with Emergency Department Utilization in Rhode Island
Current Role: Epidemiologist, JSI

Joshua Kalfus Interdisciplinary Concentration 2022 to 2023
Title: Impact of Opening of an Overdose Prevention Center on Drug-Related Arrests in New York City
Current Role: Business Analyst, Premise Health

Yanchen Liu Epidemiology Concentration 2022 to 2023
Title: Association of Historical Redlining with COVID-19 Diagnoses in Rhode Island
Current Role: Pursuing Doctor of Philosophy at University of Texas Health Sciences Center at Houston

Olubunmi Osias Interdisciplinary Concentration 2022 to 2023
Title: Accessibility of Food Retailers by Public Transportation in Rhode Island
Current Role: Mayor's Capital City Fellow, District of Columbia Department of Human Services

Heming Tang Health Services Research Concentration 2022 to 2023
Title: Predictors of Incident Sexually Transmitted Infection Among Gay and Bisexual Men
Current Role: Recent graduate with Master of Public Health from Brown University

Huy Tran Maternal and Child Health Concentration 2022 to 2023
Title: Assessing Patterns of Green Space Utilization via Aggregate Mobility Data
Current Role: Pursuing Doctor of Medicine at Duke University

Andrew Walch Interdisciplinary Concentration 2021 to 2022
Title: Accessibility of Recreational Blue Spaces by Public Transportation in Rhode Island
Current Role: Paralegal Specialist, United States Department of Justice

Master of Public Health Thesis Reader

I was the secondary faculty supervisor for these graduate students' year-long research projects.

Neelam Ahmed Epidemiology Concentration 2023 to 2024
Title: Regional Variation in Long-Term Use of Oral Bisphosphonate Among Medicare Enrollees
Current Role: Pursuing Doctor of Philosophy at Northeastern University

William Bannister Interdisciplinary Concentration 2023 to 2024
Title: Rapid Evaluation of Crisis Assessment Tools in Rhode Island's Coordinated Entry System
Current Role: Recent graduate with Master of Public Health from Brown University

Rebecca Carrara Epidemiology Concentration 2022 to 2023
Title: Association Between COVID-19 Diagnoses and Overdose Deaths in Rhode Island
Current Role: Analyst, Stage Analytics

Erum Choudry Epidemiology Concentration 2023 to 2024
Title: Social Determinants of Oral Health Care Utilization in the United States
Current Role: Recent graduate with Master of Public Health from Brown University

Sharon Cho Interdisciplinary Concentration 2021 to 2022
Title: A Mixed Methods Assessment of Accessibility of Mental Health Services for People of Color
Current Role: Data Analytics Manager, United Way of Rhode Island

Owen Fahey Health Services Research Concentration 2023 to 2024
Title: Impact of the COVID-19 Pandemic on Quality Measures for Health Care-Acquired Infections
Current Role: Analyst, Health Advances

Daniel Hackert Epidemiology Concentration 2022 to 2023
Title: Impact of Vaccination Status on Engagement with Novel Case Investigation Protocols
Current Role: Health Sciences Specialist, United States Department of Veterans Affairs

Del Rose Hooker Newball	Interdisciplinary Concentration	2022 to 2023
<u>Title:</u> Spatial Patterns in Water Quality in the Greater Jackson Metropolitan Area		
<u>Current Role:</u> Program Coordinator, Rhode Island Department of Health		
Joseph Kahn	Epidemiology Concentration	2024 to 2025
<u>Title:</u> Projected Impact of Universal Treatment of Hepatitis C in Prisons and Jails		
<u>Current Role:</u> Pursuing Doctor of Medicine at Emory University		
Joseph Leszczynski	Epidemiology Concentration	2024 to 2025
<u>Title:</u> Trends in Sexual Behaviors Among People Who Use Methamphetamine		
<u>Current Role:</u> Recent graduate with Master of Public Health from Brown University		
Yaruska Ordinola Perez	Epidemiology Concentration	2022 to 2023
<u>Title:</u> Association of Historical Manufacturing Sites with Incident Birth Defects in Rhode Island		
<u>Current Role:</u> Research Analyst, University of California, San Francisco		
Yaideliz Romero-Ramos	Epidemiology Concentration	2023 to 2024
<u>Title:</u> Patterns in Colorectal Cancer Screening in Rhode Island's All-Payer Claims Database		
<u>Current Role:</u> Epidemiologist, Quinnipiac Valley Health District		
Thomas Walsh	Interdisciplinary Concentration	2021 to 2022
<u>Title:</u> Ethical Considerations in Use of Aggregate Mobility Data in Public Health Surveillance		
<u>Current Role:</u> Program Coordinator, Rhode Island Hospital		
Jeremiah Zablon	Epidemiology Concentration	2022 to 2023
<u>Title:</u> Impact of Climatological Factors on Distribution of Mosquitos in Kenya		
<u>Current Role:</u> Epidemiologist, Southern Nevada Health District		

Academic Advisor for Doctoral Program in Epidemiology

These students received individualized academic mentoring while pursuing their doctoral degrees at Brown.

Enver Hayes	2024 –
Alexander Skinner	2022 –
Tariz Viera Rojas	2023 –

Research Assistantship Supervisor for Doctoral Program in Epidemiology

These students received individualized mentorship during a 20-hour per week research assistantship.

Chelsie Cintron	Fall 2023
Chelsie Cintron	Spring 2024
Cailyn Clemons	Spring 2025
Enver Hayes	Spring 2023

Teaching Assistantship Supervisor for Doctoral Students

These doctoral students were supervised during a 10-hour or 20-hour per week teaching assistantship.

Amiel Bermudez	Interpretation and Application of Epidemiology	Spring 2024
Enver Hayes	Fundamentals of Epidemiology	Fall 2023
Alexander Skinner	Interpretation and Application of Epidemiology	Spring 2025
Garrett Stang	Fundamentals of Epidemiology	Fall 2024
Bo Yang	Fundamentals of Epidemiology	Fall 2022
Rachel Yorlets	Epidemiology and Control of Infectious Diseases	Spring 2021

Dissertation Committee Member for Doctoral Students

These doctoral students supported a doctoral student during the completion of their dissertation research.

Current Students

Rey Flores	Behavioral and Social Health Sciences	2025 –
Nine Lee	Epidemiology	2024 –
Alexandra Skinner	Epidemiology	2024 –

Supplemental Teaching Assistantship Supervisor for Master of Public Health Students

These graduate students were supervised during a 10-hour per week teaching assistantship.

Punnava Alam	Fundamentals of Epidemiology	Fall 2025
Rebecca Carrara	Fundamentals of Epidemiology	Fall 2022
Owen Fahey	Fundamentals of Epidemiology	Fall 2023
Hannah Fernandez	Fundamentals of Epidemiology	Fall 2023
Yifei Gao	Fundamentals of Epidemiology	Fall 2022
Nathan Garcia-Diaz	Foundations of Spatial Analysis in Public Health	Fall 2024
Joseph Kahn	Fundamentals of Epidemiology	Fall 2024
Kathleen Kuesters	Epidemiology and Control of Infectious Diseases	Spring 2021
Evelyn Lai	Fundamentals of Epidemiology	Fall 2024
Lydia Moriku	Fundamentals of Epidemiology	Fall 2025
Lily Rayor	Fundamentals of Epidemiology	Fall 2025
Christopher Santostefano	Foundations of Spatial Analysis in Public Health	Fall 2021
Rachel Slimovitch	Foundations of Spatial Analysis in Public Health	Fall 2023
Diane Story	Fundamentals of Epidemiology	Fall 2023
Kevin Xi	Fundamentals of Epidemiology	Spring 2024

Undergraduate Teaching Assistantship Supervisor

These undergraduate students were supervised during a 10-hour per week teaching assistantship.

Kriti Devkota	Epidemiology and Control of Infectious Diseases	Spring 2021
Hannah Fernandez	Fundamentals of Epidemiology	Fall 2022
Evelyn Lai	Fundamentals of Epidemiology	Spring 2024

SERVICE ACTIVITIES

Department of Epidemiology

2020 – 2022	Chair, Diversity and Inclusive Action Plan Committee
2021 – 2023	Member, Doctoral Admissions Committee
2022 – 2023	Member, Search Committee for Department Chair
2024 – 2025	Member, Written Qualifying Exam Committee
2023 –	Chair, Doctoral Admissions Committee

School of Public Health

2016 – 2020	Chair, School of Public Health Graduate Student Council
2020 – 2021	Advisor, School of Public Health Graduate Student Council
2021 – 2024	Advisor, Epsilon Iota Chapter of Delta Omega Honorary Society
2021 – 2024	Member, Undergraduate Curriculum Committee
2023 – 2025	Member, Rhode Island Department of Health Partnership Advisory Committee
2021 –	Abstract Reviewer and Poster Judge, Public Health Research Day
2021 –	Member, School of Public Health Undergraduate Studies Committee
2025 –	Member, School of Public Health Education Council

Brown University

2021 – 2022	Member, Ad Hoc Committee on Technology for Education
2022 – 2024	Member, Faculty Executive Committee
2024 –	Member, College Curriculum Council
2024 –	Member, Advisory Committee for Certificate in Engaged Scholarship

Rhode Island Department of Health

2025	Member, Rhode Island All-Payer Claims Database Data Release Board
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Society for Epidemiologic Research

2020 – 2023	Awards Committee, Kenneth Rothman Career Achievement Award
2020 – 2023	Communications Committee
2020 – 2023	Education and Professional Development Committee
2018 –	Abstract Reviewer and Poster Judge for Annual Meeting
2023 –	Mentor, Course Design and Redesign Workshop

Grant Review

2022	Population and Public Health Approaches to HIV/AIDS National Institutes of Health (Early Career Reviewer Program)
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Editorial Roles

2023 –	Associate Editor, <i>JMIR Public Health and Surveillance</i>
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PEER-REVIEWED PUBLICATIONS

Note: Trainees are noted with an asterisk (*). Community partners are noted with a diesis (§).

Published in 2015

1. Goedel WC, Duncan DT. Geosocial-networking app usage patterns of gay, bisexual, and other men who have sex with men: Survey among users of Grindr, a mobile dating app. JMIR Public Health Surveill. 2015; 1(1): e4. [Link](#).

Published in 2016

2. Duncan DT, Goedel WC, Mayer KH, Safren SA, Palamar JJ, Hagen D, Jean-Louis G. Poor sleep health and its association with mental health, substance use, and condomless anal intercourse among gay, bisexual, and other men who have sex with men. Sleep Health. 2016; 2(4): 316–321. [Link](#).
3. Duncan DT, Kapadia F, Regan SD, Goedel WC, Levy MD, Barton SC, Friedman SR, Halkitis PN. Feasibility and acceptability of global positioning system (GPS) methods to study the spatial contexts of substance use and sexual risk behaviors among young men who have sex with men in New York City: A P18 Cohort sub-study. PLoS One. 2016; 11(2): e0147520. [Link](#).
4. Goedel WC, Brooks FA, Duncan DT. Approaches to sampling gay, bisexual, and other men who have sex with men from geosocial-networking smartphone applications: A methodological note. Soc Sci. 2016; 5(4): 51. [Link](#).
5. Goedel WC, Duncan DT. Contextual factors in geosocial-networking smartphone application use and engagement in condomless anal intercourse among gay, bisexual, and other men who have sex with men who use Grindr. Sex Health. 2016; 13(6): 549–554. [Link](#).
6. Goedel WC, Halkitis PN, Duncan DT. Behavior- and partner-based HIV risk perception and sexual risk behaviors in men who have sex with men (MSM) who use geosocial-networking smartphone applications in New York City. J Urban Health. 2016; 93(2): 400–406. [Link](#).
7. Goedel WC, Halkitis PN, Greene RE, Duncan DT. Correlates of awareness of and willingness to use pre-exposure prophylaxis (PrEP) in gay, bisexual, and other men who have sex with men who use geosocial-networking smartphone applications in New York City. AIDS Behav. 2016; 20(7): 1435–1442. [Link](#).
8. Goedel WC, Halkitis PN, Greene RE, Hickson DA, Duncan DT. HIV risk behaviors, perceptions, and testing and preexposure prophylaxis (PrEP) awareness/use in Grindr-using men who have sex with men in Atlanta, Georgia. J Assoc Nurses AIDS Care. 2016; 27(2): 133–142. [Link](#).

Published in 2017

9. Davis SL, Goedel WC, Emerson J, Guven BS. Punitive laws, key population size estimates, and Global AIDS Response Progress Reports: An ecological study of 154 countries. *J Int AIDS Soc*. 2017; 20(1): 21386. [Link](#).
10. Duncan DT, Goedel WC, Williams JH, Elbel B. Acceptability of smartphone text- and voice-based ecological momentary assessment (EMA) methods among low-income housing residents in New York City. *BMC Res Notes*. 10(1): 517. [Link](#).
11. Duncan DT, Kapadia F, Kircher TR, Goedel WC, Brady WJ, Halkitis PN. Acceptability of ecological momentary assessment among young men who have sex with men. *J LGBT Youth*. 2017; 14(4): 436–444. [Link](#).
12. Duncan DT, Park SH, Al-Ajlouni YA, Hale L, Jean-Louis G, Goedel WC, Chaix B, Elbel B. Association of financial hardship with poor sleep health outcomes among men who have sex with men. *SSM Popul Health*. 2017; 3: 594–599. [Link](#).
13. Duncan DT, Park SH, Goedel WC, Kreski NT, Morganstein JG, Hambrick HR, Jean-Louis G, Chaix B. Perceived neighborhood safety is associated with poor sleep health among gay, bisexual, and other men who have sex with men in Paris, France. *J Urban Health*. 2017; 94(3): 399–407. [Link](#).
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107. Krieger MS, Bessey S, Abadin S, Akhtar W, Bowman S‡, DiVincenzo S‡, Duong E, House J‡, Lai E*, Latham J‡*, Park C, Pratty C, Rein B‡, St. Amand K‡, Yedinak JL, Wilson M‡, Goedel WC. Project SIGNAL: A dashboard for supporting community confidence in making data-driven decisions. *J Public Health Manag Pract*. 2024; 30(6): 895–905. [Link](#).
108. Samuels EA, Goedel WC, Jent VA, Conkey L‡, Hallowell BD‡, Karim S‡, Koziol J‡, Becker S, Yorlets RR*, Merchant RC, Keeler LA, Reddy N*, McDonald J‡, Alexander-Scott N‡, Cerdá M, Marshall BDL. Characterizing opioid overdose hotspots for place-based overdose prevention and treatment interventions: A geo-spatial analysis of Rhode Island, USA. *Int J Drug Policy*. 2024; 125: 104322. [Link](#).
109. Shrader CH*, Duncan DT, Driver R*, Chen JT, Knox J, Bond K, Weinstein ER, Durrell M, Hanson H, Eavou R, Goedel WC, Schneider JA. Social network characteristics associated with more frequent HIV and STI prevention conversations: The N2 Cohort Study in Chicago. *AIDS Behav*. 2024; 28(7): 2463–2475. [Link](#).

110. Shrader CH*, Duncan DT, Knox J, Chen YT, Driver R*, Russell JS*, Moody RL, Kanamori M, Durrell M, Hanson H, Eavou R, Goedel WC, Schneider JA. A network science approach to sex-polydrug use among Black sexually minoritized men and transgender women: The N2 Cohort Study. *Prev Sci*. 2024. 25(4) 638–649. [Link](#).
111. Skinner A*, Li Y, Goedel WC, Allen B, Leifheit KM, Cartus AR, Macmadu A, Jent VA, Pratty C, Samuels EA, Ahern J, Cerdá M, Marshall BDL. Spatiotemporal analysis of the association between residential eviction and fatal overdose in Rhode Island. *BMJ Public Health*. 2024; 2: e000756. [Link](#).
112. Yedinak JL, Krieger MS, Joseph R‡, Levin S‡, Edwards S‡, Bailer DA‡, Goyer J‡, Daley Ndoeye C‡, Schultz C‡, Koziol J‡, Elmaleh R‡, Hallowell BD‡, Hampson T, Duong E, Shihpar A, Goedel WC, Marshall BDL. Public health dashboards in overdose prevention: The Rhode Island approach to public health data literacy, partnerships, and action. *J Med Internet Res*. 2024; 26: e51671. [Link](#).

Published in 2025

113. Allen B, Moore B*, Jent VA, Goedel WC, Israel K*, Collins AB, Marshall BDL, Cerdá M. Considerations for the epidemiological evaluation of hyperlocal interventions: A case study of the New York City overdose prevention centers. *Soc Sci Med*. 2025; 378: 118156. [Link](#).
114. Chan PA, Goedel WC, Li Y, Mena LA, Patel RR, Marshall BDL, Malyuta Y, Ward L, Underwood A, Johnson CJ, Gomillia CE*, Almonte A, Tao J, Curoe K, Villalobos J, Nunn AS. Impact of social determinants of health on pre-exposure prophylaxis care for HIV prevention. *J Acquir Immune Defic Syndr*. 2025; 98(5): 465-472. [Link](#).
115. Dawit R*, Goedel WC, Chang H, Nunn AS, Chan PA, Doshi JA, Dean LT. County-level factors associated with reversal of insurer-approved HIV pre-exposure prophylaxis prescriptions in the United States, 2018. *AIDS Behav*. 2025; 29(4): 1089–1095. [Link](#).
116. Shrader C*, Duncan DT, Santoro A&, Geng E, Kranzler HR, Hasin D, Shelley D, Kutner B, Sherman SE, Chen Y, Durrell M, Eavou R, Hanson H, Goedel WC, Schneider JA, Knox JR. Social network alcohol use is associated with individual-level alcohol use among Black sexually minoritized men and gender-expansive people: Findings from the Neighborhoods and Networks (N2) cohort study. *Alcohol Clin Exp Res (Hoboken)*. 2025; 49(4): 783-791. [Link](#).

Articles In Press

117. Allen B, Krawczyk N, Basaraba C, Jent VA, Goedel WC, Macmadu AN, Krieger MS, Pratty CE, Samuels EA, Marshall BDL, Neill DB, Cerdá M. Investigating heterogeneous effects of an expanded methadone access policy with opioid treatment program retention: A Rhode Island population-based retrospective cohort study. *Am J Epidemiol*. 2025. Available online ahead of print. doi: 10.1093/aje/kwaf092. [Link](#).

118. Carrara R*, Goedel WC, Pratty CE, Chambers LC, Hallowell B‡, Bowman S‡, Marshall BDL. Influence of a pandemic on an epidemic: A population-based ecological study of the association between COVID-19 diagnoses and drug overdose deaths in Rhode Island, 2023. *Public Health Reports*. 2025. Available online ahead of print. doi: 10.1177/00333549251361338. [Link](#).
119. Skinner A*, Neill DB, Allen B, Krieger MS, Gray JY, Pratty CE, Macmadu AN, Goedel WC, Samuels EA, Ahern J, Cerdá, Marshall BDL. Assessing user engagement with an interactive mapping dashboard for overdose prevention informed by predictive modeling in Rhode Island. *J Public Health Manag Pract*. 2025. Available online ahead of print. doi: 10.1097/PHH.0000000000002200. [Link](#).

BOOKS AND BOOK CHAPTERS

Books

1. Buka SL, Goedel WC. *Friis & Sellers' Epidemiology for Public Health Practice*. 7th ed. Boston: Jones & Bartlett Learning. Expected publication in October 2025.

Book Chapters

1. Duncan DT, Al-Ajlouni YA, Goedel WC, Chaix B. Connecting neighborhoods and health: Methodological approaches and substantive evidence. In: Boulton ML, Wallace RB, editors. *Maxcy-Rosenau-Last Public Health and Preventive Medicine*. 16th ed. New York: McGraw-Hill; 2021.
2. Duncan DT, Goedel WC, Chunara R. Quantitative methods for measuring neighborhood characteristics in neighborhood health research. In: Duncan DT, Kawachi I, editors. *Neighborhoods and Health*. 2nd ed. New York: Oxford University Press; 2018.
3. Millar B, Goedel WC, Duncan DT. Sleep health among sexual and gender minorities. In: Duncan DT, Kawachi I, Redline S, editors. *The Social Epidemiology of Sleep*. 1st ed. New York: Oxford University Press; 2019.

OTHER NON-PEER-REVIEWED PUBLICATIONS

1. National Academies of Science Engineering and Medicine Response and Resilient Recovery Strategic Science Initiative Strategy Group on COVID-19 and Rental Evictions. *Rental Eviction and the COVID-19 Pandemic: Averting a Looming Crisis*. Washington: National Academies Press; 2022. [Link](#).

APPEARANCES IN POPULAR MEDIA

As Author

1. Goedel WC. Preventing an HIV outbreak before it occurs. Medium of the People, Place, and Health Collective at Brown University [Internet]. 2020 May 14. [Link](#).
2. Goedel WC. Pride during a pandemic. Medium of the People, Place, and Health Collective at Brown University [Internet]. 2020 Jun 18. [Link](#).

3. Shihipar A, [Goedel WC](#), Gurulé S. ICE is putting people who were released due to COVID-19 concerns back in jails. The decision is dangerous as the country enters another wave. Business Insider [Internet]. 2020 Nov 15. [Link](#).
4. [Goedel WC](#). Making universal basic income a reality: Just press “print”? Medium of the People, Place, and Health Collective at Brown University [Internet]. 2021 Jan 04. [Link](#).
5. [Goedel WC](#). “But will I get sick?” – and other questions about the J&J vaccine. Medium of the People, Place, and Health Collective at Brown University [Internet]. 2021 Jun 09. [Link](#).
6. Cartus AR, [Goedel WC](#). Familiar failures: The HIV and COVID-19 pandemics. Medium of the People, Place, and Health Collective at Brown University [Internet]. 2021 Jul 16. [Link](#).
7. [Goedel WC](#). How to avoid fentanyl overdoses while going out. them [Internet]. 2021 Sept 17. [Link](#).
8. Barnes-Balenciaga J, Botti Carneiro P, Cahill S, Carpino T, Diamond N, Feng Z, [Goedel WC](#), Holloway IW, Long LC, Makofane K, Mayer KH, Osmundson J, Radix AE, Roth GH, Smith MDR, Tran NK. An open letter to the Biden administration on monkeypox. Harvard Public Health [Internet]. 2022 Aug 08. [Link](#).
9. Shihipar A, Cartus AR, [Goedel WC](#). It’s not just COVID. Flu and RSV mean masks need to come back. NBC News [Internet]. 2022 Nov 27. [Link](#).
10. Shihipar A, Cartus AR, [Goedel WC](#). America isn’t prepared for the end of the COVID emergency. The Boston Globe [Internet]. 2023 Feb 02. [Link](#).

As Interviewee

1. Kaltwasser J. Long-acting injectable PrEP shows promise in reducing HIV transmission. HCP Live [Internet]. 2018 Jul 09. [Link](#).
2. Zane Z. Tops and bottoms prefer different forms of taking PrEP, study finds. Logo TV [Internet]. 2018 Nov 08. [Link](#).
3. Gibson D. New study: Syringe services providers could have prevented the Scott County HIV outbreak. Filter Magazine [Internet]. 2019 May 01. [Link](#).
4. Blum S. HIV/AIDS activists explain the next steps to End the Epidemic. them [Internet]. 2019 Nov 26. [Link](#).
5. Arditi L. What will it take to curb the spread of COVID-19 in Rhode Island? The Public’s Radio [Internet]. 2020 Nov 23. [Link](#).

6. Arditi L. Who's most at risk with the Delta variant in Rhode Island? Hint: It's a 200,00 person question. The Public's Radio [Internet]. 2021 Aug 11. [Link](#).
7. Kubzansky W, Vulakh G. Antigen testing, explained. The Brown Daily Herald [Internet]. 2022 Feb 02. [Link](#).
8. Heys J. COVID-19 and disruptions in HIV prevention: Projecting the impact on HIV incidence. Science Speaks: A Blog of the Infectious Disease Society of America [Internet]. 2022 Jun 24. [Link](#).
9. Vella L, Choi J. Health officials walk fine line as monkeypox swells within LGBT community. The Hill [Internet]. 2022 Aug 07. [Link](#).
10. McKenna M. Three possible futures of the monkeypox epidemic. Wired [Internet]. 2022 Aug 10. [Link](#).
11. Meininger K. School of Public Health panel highlights new initiatives, areas of focus. The Brown Daily Herald [Internet]. 2022 Sep 08. [Link](#).
12. Hayes J. Meeting the moment. Continuum: The Official Publication of the Brown University School of Public Health [Internet]. 2022 Nov 29. [Link](#).
13. Shihpar A. Real-time health communication. Continuum: The Official Publication of the Brown University School of Public Health [Internet]. 2022 Nov 30. [Link](#).
14. Marcus-Blank A. Public Health Research Day recognizes study, faculty research. The Brown Daily Herald [Internet]. 2024 Apr 02. [Link](#).
15. Egnal T. Amid rising flu cases, RI hospitals implement mask mandates. The Brown Daily Herald [Internet]. 2025 Feb 19. [Link](#).

CONFERENCE PRESENTATIONS

Trainee co-authors are noted with an asterisk (*). Community partners are noted with a diesis (§).

As Presenting Author (Selected)

1. [Goedel WC](#), Duncan DT. Geosocial-networking smartphone application use in gay, bisexual, and other men who have sex with men in Atlanta, Georgia. Poster presentation at the American Public Health Association Annual Meeting and Exposition. Chicago, Illinois. 2015.
2. [Goedel WC](#), Green TC, Rich JD, Marshall BDL. Increases in overdose fatalities in the beginning of the month: Revisiting the "check effect" through a spatial lens. Poster presentation at the Society for Epidemiologic Research Annual Meeting. Baltimore, Maryland. 2018.

3. Marshall BDL, Goedel WC, King MRF, Durham DP, Chan PA, Townsend JP, Galvani AP. Impact of long-acting cabotegravir as pre-exposure prophylaxis on the emergence of HIV drug resistance among men who have sex with men. Poster presentation at the International AIDS Conference. Amsterdam, The Netherlands. 2018.
4. Goedel WC. Setting goals for increasing pre-exposure prophylaxis use to eliminate disparities. Closing plenary presentation at the National Minority AIDS Council (NMAC) Biomedical HIV Summit. Los Angeles, California. 2018..
5. Goedel WC, King MRF, Lurie MN, Galea S, Townsend AP, Galvani AP, Friedman SR, Marshall BDL. Can emergency implementation of syringe services programs prevent rapid HIV transmission among people who inject drugs in rural counties in the United States? Oral presentation at the Harm Reduction International Conference. Porto, Portugal. 2019.
6. Goedel WC, Marshall BDL, Spangler KR, Alexander-Scott N‡, Green TC, Wellenius GA, Weinberger KR. Increased risk of fatal opioid overdose following cold weather: A case-crossover study. Poster presentation at the Society for Epidemiologic Research Annual Meeting. Minneapolis, Minnesota. 2019.
7. Goedel WC, Mimiaga MJ, King MRF, Safren SA, Mayer KH, Chan PA, Marshall BDL, Biello KB. Impact of targeted pre-exposure prophylaxis uptake among male sex workers on HIV Incidence among men who have sex with men: An agent-based modeling study. Poster presentation at the International AIDS Society Conference on HIV Science. Mexico City, Mexico. 2019.
8. Goedel WC, Shapiro A, Cerdá M, Tsai J, Hadland S, Marshall BDL. Racial segregation and treatment capacity for opioid use disorder in the United States. Oral presentation at the Society for Epidemiologic Research Annual Meeting. Virtual Meeting. 2020.
9. Goedel WC, Metzger J‡. Cloud-based GIS tools to inform local COVID-19 pandemic response efforts. Demonstration session at the National Association of County and City Health Officials Emergency Preparedness Summit. Atlanta, Georgia. 2023.
10. Howe CJ, Morris M, McBurney SH, Kapadia F, Goedel WC, Gutierrez S, Law E, Rebeiro P, Agha G. Preparing epidemiology master's students to meet career goals and the needs of the public health workforce: The training landscape and opportunities for improvement. Symposium session at the Society for Epidemiologic Research Annual Meeting. Austin, Texas. 2024.

As Non-Presenting Co-Author (Selected)

1. Duncan DT, Regan SD, Matthews SA, Chaix B, Goedel WC, Pass KM, Al-Bayan M, Gozlan B, Williams JH, Dutta S, Yilma AN, Elbel B. Quantifying spatial polygamy among low-income housing residents in New York City: A global positioning system (GPS) study. Oral presentation at the American Public Health Association Annual Meeting and Exposition. Chicago, Illinois. 2015.

2. Marshall BDL, Goedel WC, King MRF, Durham DP, Chan PA, Townsend JP, Galvani AP. Potential effectiveness of long-acting injectable pre-exposure prophylaxis in men who have sex with men: A modeling study. Poster presentation at the Conference on Retroviruses and Opportunistic Infections. Boston, Massachusetts. 2018..
3. Marshall BDL, Krieger MS, Goedel WC, Buxton JA, Lysyshyn M, Bernstein E, Rich JD, Sherman SG, Hadland SE, Green TC. Uptake and acceptability of rapid fentanyl test strips among young adults who use drugs. Oral presentation at the National Harm Reduction Conference. New Orleans, Louisiana. 2018.
4. Li Y, Ahern J, Cerdá M, Hogan JW, Goedel WC, Marshall BDL. Predicting drug overdose deaths in Rhode Island: A comparison of machine learning methods and variable selection procedures. Oral presentation at the Society for Epidemiologic Research Annual Meeting. Minneapolis, Minnesota. 2019.
5. Macmadu A, Goedel WC, Adams JW, Brinkley-Rubinstein L, Green TC, Clarke JG‡, Martin RA, Rich JD, Marshall BDL. Estimating the impact of wide scale uptake of screening and medications for opioid use disorder in United States prisons and jails. Oral presentation at the American Public Health Association Annual Meeting and Exposition. Philadelphia, Pennsylvania. 2019.
6. Singleton AL*, Marshall BDL, Harrison MT, Goodreau SM, Goedel WC. Structural network characteristics and vulnerability to rapid HIV transmission among people who inject drugs in a rural county in the United States: A modelling study. Poster presentation at the International Conference on Infectious Disease Dynamics. Charleston, South Carolina. 2019.
7. Singleton AL*, Marshall BDL, Zang X*, Nunn AS, Goedel WC. Added benefits of pre-exposure prophylaxis use on HIV incidence in the context of high treatment engagement among men who have sex with men. Poster presentation at IDWeek. Virtual Meeting. 2020.
8. Timmins L*, Schneider JA, Callander D, Chen Y, Goedel WC, Eavou R, Duncan DT. Sexual identity, sexual behavior, and current PrEP use in Black sexual minority men: The N2 Cohort Study in Chicago. Poster presentation at the Society for Epidemiologic Research Annual Meeting. Virtual Meeting. 2020.
9. Dean LT, Chang H, Goedel WC, Backus K, Chan PA, Doshi J, Nunn AS. Pharmacy reversals: A novel indicator of gaps in the HIV pre-exposure prophylaxis cascade. Oral presentation at the Conference on Retroviruses and Opportunistic Infections. Virtual Meeting. 2021.
10. Dhand A, Greben R, McCafferty L, Goedel WC, Marshall BDL, Sheth KN. Social networks are a key determinant of delayed arrival to hospital in acute stroke: A social simulation study. Oral presentation at the AcademyHealth Annual Research Meeting. Virtual Meeting. 2021.

11. Buchanan AL, Park CJ, Bessey S, Goedel WC, Murray EJ, Friedman SR, Halloran EM, Marshall BDL. Disseminated effects in agent-based models: Effect modification in sexual networks. Oral presentation at the Joint Statistical Meetings. Virtual Meeting. 2022.
12. Dean LT, Chang HY, Goedel WC, Bakre S*, Chan PA, Doshi JA, Nunn AS. Geographic disparities in HIV PrEP pharmacy reversals, a novel observational data indicator of PrEP non-adherence. Poster presentation at the World AIDS Conference. Montreal, Quebec. 2022.
13. Dean LT, Nunn AS, Chang HY, Goedel WC, Bakre S*, Chan PA, Doshi JA. Association of patient out-of-pocket costs with HIV pre-exposure prophylaxis (PrEP) pharmacy reversals, a novel measure of PrEP non-adherence, and abandonments. Poster presentation at the World AIDS Conference. Montreal, Quebec. 2022.
14. Allen B*, Schell RC*, Jent VA, Krieger MS, Pratty CE, Goedel WC, Li Y, Marshall BDL, Ahern J, Neill DB, Cerdá M. Machine learning to predict future neighborhood-level overdose risk: Findings from a modeling study to inform overdose prevention in Rhode Island. Oral presentation at the Society for Epidemiologic Research Annual Meeting. Chicago, Illinois. 2022.
15. Allen B, Moore B*, Jent VA, Gibson B‡, Goedel WC, Israel K, Collins AB, Marshall BDL, Cerdá M. Association between overdose prevention center implementation and neighborhood-level misdemeanor drug arrests and complaints for syringe litter in New York City: A synthetic control analysis. Oral presentation at the Society for Epidemiologic Research Annual Meeting. Portland, Oregon. 2023.
16. Skinner A*, Jent VA, Goedel WC, Allen B, Leifheit KM, Cartus AR*, Macmadu A*, Li Y, Pratty CE, Samuels EA, Ahern J, Cerdá M, Marshall BDL. Neighborhood-level relationship between eviction and overdose death in Rhode Island. Oral presentation at the Society for Epidemiologic Research Annual Meeting. Portland, Oregon. 2023.
17. Jent VA, Allen B, Gibson B‡, Moore B*, Goedel WC, Israel K, Collins AB, Marshall BDL, Cerdá M. Epidemiological considerations for the spatial analysis of hyperlocal community interventions: The case of New York City overdose prevention centers. Poster presentation at the Society for Epidemiologic Research Annual Meeting. Portland, Oregon. 2023.
18. Halifax J, Allen B, Goedel WC, Hallowell B‡, Krieger MS, Skinner A*, Cerdá M, Marshall BDL, Neill DB, Ahern J. Evaluating the predictive performance of administrative data sources to forecast overdose deaths at the neighborhood level with machine learning in Rhode Island. Oral presentation at the Society for Epidemiologic Research Annual Meeting. Austin, Texas. 2024.

NON-CONFERENCE PRESENTATIONS

1. Davis SLM, Goedel WC. How laws criminalizing men who have sex with men impact global HIV indicators. New York University School of Law Center for Human Rights and Global Justice Human Rights in Practice Lunch Series. New York, New York. 2016.
2. Duncan DT, Goedel WC. Health is 0 feet away: Geosocial-networking smartphone application use among men who have sex with men. New York University School of Medicine Department of Population Health Research Seminar. New York, New York. 2016.
3. Marshall BDL, Goedel WC. Understanding the environmental context of fatal drug overdose in Rhode Island. Rhode Island Department of Health Public Health Academic Working Group. Providence, Rhode Island. 2018.
4. Goedel WC. Preparing for the next generation of biomedical HIV prevention strategies: Insights from agent-based modeling. New York University School of Public Health Department of Population Health Spatial Epidemiology Lab Seminar Series. New York, New York. 2019.
5. Goedel WC. Using agent-based modeling to inform pre-exposure prophylaxis implementation for Black/African American men who have sex with men. Brown University Clinical and Community-Based HIV/AIDS Research Training Program Expert Webinar Series. Virtual. 2019.
6. Eklund AC, Goedel WC, Choi AY. Supporting student involvement in data science to advance sexual and gender minority health and well-being. Northwestern University Institute for Sexual and Gender Minority Health and Well-Being CONNECT Complex Systems and Health Disparities Research Program Bias in Big Data Workshop. Chicago, Illinois. 2019.
7. Goedel WC. Spatiotemporal patterns in COVID-19 cases reveal community vulnerabilities: Making structural determinants of health personal for your patients. Rhode Island Department of Health Pandemic Update for Providers Series. Virtual. 2020.
8. Goedel WC. Assessing patterns in SARS-CoV-2 diagnosis to guide local public health action. Brown University Spatial Structures in the Social Sciences Program Winter GIS Institute. Virtual. 2021.
9. Goedel WC. Launching your career in sexual and gender minority health research. University of Massachusetts Medical School Sexual and Gender Minority Health Research Group Seminar Series. Virtual. 2021.
10. Goedel WC. Medical cannabis licensure is associated with reduction in prescription opioid use: An analysis of the Rhode Island Prescription Drug Monitoring Program. Rhode Island Department of Health Strategic Tangible Overdose Prevention Meeting. Virtual. 2021.

11. Goedel WC. Data linkage to support our understanding of the association of medical cannabis licensure with prescription opioid receipt. Rhode Island Department of Health Data on Overdose for Strategic Exchange Meeting. Virtual. 2021.
12. Goedel WC. Spatiotemporal patterns in SARS-CoV-2 infection and related outcomes in Rhode Island. Brown University Spatial Structures in the Social Sciences Program Colloquium. Virtual. 2021.
13. Goedel WC. Neighborhood-level patterns in COVID-19 outcomes: April 2021. State of Rhode Island COVID-19 Health Equity Council. Virtual. 2021.
14. Goedel WC. Neighborhood-level patterns in COVID-19 outcomes: August 2021. State of Rhode Island COVID-19 Health Equity Council. Virtual. 2021.
15. Goedel WC. Neighborhood-level patterns in COVID-19 outcomes: October 2021. State of Rhode Island COVID-19 Health Equity Council. Virtual. 2021.
16. Bates LK, Goedel WC, Meyers LA, Thornton RLJ. Housing instability and health: A joint webinar of the Roundtable on Population Health Improvement and the National Academies of Science, Engineering, and Medicine. Virtual. 2021.
17. Goedel WC. Neighborhood-level patterns in COVID-19 outcomes: January 2022. State of Rhode Island COVID-19 Health Equity Council. Providence, Rhode Island. 2022.
18. Goedel WC. Neighborhood-level patterns in COVID-19 outcomes: February 2022. State of Rhode Island COVID-19 Health Equity Council. Providence, Rhode Island. 2022.
19. Goedel WC. Modeling the impacts of equity-based provision of pre-exposure prophylaxis among men who have sex with men. Centers for AIDS Research Antiretrovirals for Prevention Working Group. Virtual 2022.
20. Goedel WC. Understanding the role of affordable housing in the COVID-19 pandemic in Rhode Island. Brown University Spatial Structures in the Social Sciences Program Summer GIS Institute. Providence, Rhode Island. 2022.
21. Goedel WC. Neighborhood-level patterns in COVID-19 vaccination: February 2023. State of Rhode Island COVID-19 Health Equity Council. Providence, Rhode Island. 2023.
22. Goedel WC. Spatial trends in hospitalization for COVID-19 in Rhode Island: Winter 2022-2023. State of Rhode Island COVID-19 Health Equity Council. Providence, Rhode Island. 2023.

23. Goedel WC. Using geographic information systems to guide place-based initiatives to improve the health of children with asthma. Brown University Spatial Structures in the Social Sciences Program Summer GIS Institute. Providence, Rhode Island. 2023.
24. Goedel WC. Data disaggregation to advance racial/ethnic equity in medicine and public health. Rhode Island Department of Health Public Health Grand Rounds. Virtual. 2023.
25. Goedel WC. Using data linkage to understand occupational patterns in COVID-19 vaccine uptake in Rhode Island. Advance CTR Monthly Seminar Series. Virtual. 2023.
26. Goedel WC, Warner L‡, Wilson M‡. Health equity in pandemic response: Lessons learned from Rhode Island. Brown University School of Public Health Pandemic Center Pandemics and Society Webinar Series. Virtual. 2024.
27. Goedel WC, Resendes D‡, Sanzaro M‡, Martinez J‡, Booth M‡. Housing and lessons learned from the COVID-19 pandemic. Rhode Island Department of Health's Health Equity Zones Learning Community. Providence, Rhode Island. 2024.
28. Goedel WC. Using geographic information systems in public health emergency preparedness and response efforts. Brown University Spatial Structures in the Social Sciences Program Summer GIS Institute. Providence, Rhode Island. 2024.

GRANTS

Active Grants

Unlocking Rhode Island's Pandemic Past

Funder: Brown University Office of the Vice President of Research Seed Funds

Role: Principal Investigator

Award Dates: 02/01/2024 to 06/30/2026

Description: This seed award aims to leverage advances in artificial intelligence to transcribe death records held by the Rhode Island State Archives for the period from 1853 to 1973. With linkages to decennial censuses from 1850 to 1950, this work will conduct in-depth epidemiological analyses of the impact of infectious diseases on the health and well-being of generations of Rhode Islanders.

Discontinued Grant Involvement

Note: While I was involved in the development of these proposals or a significant portion of the research conducted as part of these awards, my involvement in these grants was discontinued to accommodate increases in teaching responsibilities during the 2022–2023 academic year and beyond and increases in academic program leadership responsibilities during the 2025-2026 academic year and beyond.

Providence/Boston Center for AIDS Research

Funder: National Institute of Allergy and Infectious Diseases (P30AI042853)

Role: Core Faculty, Substance Use Research Core (PI: Susan Cu-Uvin, MD)

Award Dates: 09/01/1998 to 06/30/2028

Description: This award provides continued funding for the Providence-Boston Centers for AIDS Research, promoting excellence in HIV prevention and treatment research across New England. The Substance Use Research Core offers services and expertise on the methods needed to develop and conduct effective research on the intersections of HIV infection and substance use.

Localized Economic Modeling to Support Implementation of the Ending the HIV Epidemic Initiative

Funder: National Institute on Drug Abuse (R01DA041747)

Role: Co-Investigator (PI: Bohdan Nosyk, PhD)

Award Dates: 03/01/2016 to 08/31/2026

Description: This award supports the continued development of HIV transmission models calibrated to represent all jurisdictions prioritized by the federal Ending the HIV Epidemic initiative. These models will be used to identify optimal prevention and treatment packages for each jurisdiction.

Improving Prevention Systems to Reduce Disparities for High Priority Populations

Funder: National Institute of Mental Health (R01MH115835)

Role: Graduate Research Assistant / Co-Investigator (PI: Sarit Golub, PhD)

Award Dates: 05/01/2018 to 01/31/2025

Description: This award supported a mixed methods evaluation of a novel integrated sexual health promotion intervention delivered to partners of people newly diagnosed with HIV infection by the New York City Department of Health and Mental Hygiene.

Social Networks and Risk of Delayed Arrival to the Hospital During Stroke

Funder: National Institute on Minority Health and Health Disparities (R01MD016178)

Role: Co-Investigator (MPI: Amar Dhand, MD, DPhil and Kevin Sheth, MD)

Award Dates: 04/20/2022 to 01/31/2027

Description: This award supports an assessment of the social networks of individuals who recently experienced a stroke and their impact on arrival time to hospital among patients in Boston and New Haven. These primary data collection efforts will support the development of an agent-based model to project the impact of network-based interventions aimed at reducing arrival time.

Cancer Prevention and Control for State, Territorial, and Tribal Organizations

Funder: Centers for Disease Control and Prevention (NU58DP007118)

Role: Epidemiologist/Evaluator (Contract with Rhode Island Department of Health)

Award Dates: 07/01/2022 to 06/30/2027

Description: This award funds the Rhode Island Comprehensive Cancer Control Program. This funding cycle has focused on the development and implementation of the state's comprehensive cancer prevention and control plan covering the five-year period of 2022 to 2025. In my role, I am responsible for the development and implementation of plans to evaluate and improve the effectiveness of partnerships, programs, and policies in achieving the objectives of this plan.

A Comparative Evaluation of Overdose Prevention Programs in New York City and Rhode Island

Funder: National Institute on Drug Abuse (R01DA058277)

Role: Co-Investigator (MPI: Magdalena Cerdá, DrPH and Brandon Marshall, PhD)

Award Dates: 05/01/2023 to 02/28/2027

Description: This award supports a mixed methods assessment of the impacts of the opening of overdose prevention centers in two jurisdictions (New York and Rhode Island) on the health and well-being of individuals and communities impacted by the drug overdose epidemic.

Wood Pellet Emissions and Children's Environmental Health in Mississippi

Funder: National Institute of Environmental Health Sciences (R01ES036565)

Role: Co-Investigator (PI: Erica Walker, ScD)

Award Dates: 07/01/2024 to 06/30/2029

Description: This award will support exposure assessment activities in communities located near wood pellet production plants in Mississippi and the launch of a prospective cohort of children's health outcomes that may be associated with pollution from these facilities.

Advancing Health Equity in Asthma Control Through EXHALE Strategies

Funder: Centers for Disease Control and Prevention

Role: Epidemiologist/Evaluator (contract with Rhode Island Department of Health)

Award Dates: 09/01/2024 to 08/31/2029

Description: This award will provide continued funding for the Rhode Island Asthma Control Program, with a focus on expanding the reach and impact of the EXHALE technical package, a set of six evidence-based strategies for promoting asthma control across sectors.

Completed Grants

Enhancing Population Impact of HIV Pre-Exposure Prophylaxis Implementation

Funder: National Institute of Mental Health (R21MH09360)

Role: Graduate Research Assistant (MPI: Brandon Marshall, PhD and Philip Chan, MD)

Award Dates: 05/05/2016 to 03/31/2016

Description: This award supported the use of agent-based modeling to investigate strategies for optimizing the delivery of pre-exposure prophylaxis for HIV prevention to increase its impact on HIV transmission among men who have sex with men in Rhode Island.

Highly Adaptive Epidemic Control Strategies for HIV Prevention in Drug Users

Funder: National Institute on Drug Abuse (DP2DA040236)

Role: Graduate Research Assistant / Co-Investigator (PI: Brandon Marshall, PhD)

Award Dates: 07/01/2015 to 08/31/2021

Description: This award supported the development of TITAN, an agent-based model intended to simulate the transmission of HIV through sexual and injection-related contact in several settings in the United States (e.g., Atlanta, Georgia, Philadelphia, Pennsylvania, Scott County, Indiana).

Pre-Exposure Prophylaxis Uptake, Adherence, and Retention for Black MSM in Mississippi

Funder: National Institute of Mental Health (R34MH109371)

Role: Graduate Research Assistant (MPI: Amy Nunn, ScD, Philip Chan, MD, and Leandro Mena, MD)

Award Dates: 09/07/2016 to 05/31/2019

Description: This award supported the conduct of a pilot randomized controlled trial of strengths-based case management to support uptake of and adherence to pre-exposure prophylaxis for HIV prevention among young Black men who have sex with men in Jackson, Mississippi.

Characterizing the Pre-Exposure Prophylaxis Care Continuum for Black and Latino Men

Funder: National Institute of Mental Health (R01MH114657)

Role: Graduate Research Assistant / Co-Investigator (MPI: Philip Chan, MD and Amy Nunn, ScD)

Award Dates: 09/15/2017 to 06/30/2022

Description: This award supported a mixed methods evaluation of short- and long-term persistence on pre-exposure prophylaxis among a racially/ethnically diverse cohort of men who have sex with men in three settings (Jackson, Mississippi, Providence, Rhode Island, and Saint Louis, Missouri).

Causal Inference Methods for HIV Prevention Studies Among Networks of People Who Use Drugs

Funder: National Institute on Drug Abuse (DP2DA046856)

Role: Graduate Research Assistant / Co-Investigator (PI: Ashley Buchanan, DrPH)

Award Dates: 07/01/2018 to 05/31/2023

Description: This award supported the development and evaluation of methods to quantify spillover (i.e., the effect of an intervention on unexposed individuals in the networks of exposed individuals) of HIV prevention interventions in networks of people who use drugs.

Assessing Gaps in HIV Pre-Exposure Prophylaxis Initiation and Retention Using Pharmacy Claims Data

Funder: National Institute of Nursing Research (R21NR018387)

Role: Graduate Research Assistant / Co-Investigator (PI: Lorraine Dean, ScD and Amy Nunn, ScD)

Award Dates: 03/07/2019 to 02/28/2021

Description: This award supported the use of prescription drug claims to identify instances where prescriptions for pre-exposure prophylaxis for HIV prevention were reversed (i.e., not picked up within two weeks of being filled) or abandoned (i.e., never picked up after being filled).

Comprehensive Public Health Approaches to Asthma Control Through Evidence-Based Interventions

Funder: Centers for Disease Control and Prevention (NUE1EH001375)

Role: Epidemiologist/Evaluator (Contract with Rhode Island Department of Health)

Award Dates: 09/01/2019 to 08/31/2024

Description: This award funds the Rhode Island Asthma Control Program. This funding cycle has focused on expansion on the state's comprehensive integrated asthma care system to coordinate interventions across sectors (e.g., housing, education, health care, transportation). In my role, I am responsible for the development and implementation of plans to evaluate and improve the effectiveness of partnerships, programs, and policies in improving asthma care.

Leveraging Social Networks to Improve Uptake of a Novel Biomedical HIV Prevention Method

Funder: National Institute of Mental Health (F31MH121112)

Role: Principal Investigator

Award Dates: 09/30/2019 to 05/31/2020

Description: This award supported dissertation research that aimed to assess the potential for network-based interventions to improve the uptake of long-acting injectable pre-exposure prophylaxis for HIV prevention among Black men who have sex with men in Chicago, Illinois.

Reducing Drug-Related Mortality Using Predictive Analytics: A Randomized Community Intervention Trial

Funder: National Institute on Drug Abuse (R01DA046620)

Role: Co-Investigator (MPI: Brandon Marshall, PhD and Magdalena Cerdá, DrPH)

Award Dates: 09/30/2019 to 07/31/2024

Description: This award supports the development of PROVIDENT, a machine learning model designed to predict drug overdose burden at the neighborhood level, and an assessment of the efficacy of prioritizing the allocation of harm reduction resources to neighborhoods based on these predictions by outreach workers in a statewide cluster randomized trial in Rhode Island.

Public Health and Health System Partnerships to Increase Colorectal Cancer Screening in Clinical Settings

Funder: Centers for Disease Control and Prevention (NU58DP006780)

Role: Epidemiologist/Evaluator (Contract with Rhode Island Department of Health)

Award Dates: 06/30/2020 to 05/31/2025

Description: This award funds the Rhode Island Colorectal Cancer Screening Program. This funding cycle has focused on the implementation of evidence-based interventions to increase colorectal cancer screening in seven federally qualified health centers. In my role, I am responsible for the monitoring and evaluation of these efforts to support continuous quality improvement.

Understanding Patterns of COVID-19 Vaccine Uptake in Rhode Island's Workforce

Funder: Advance Clinical and Translational Research (Advance-CTR) Pilot Award

Role: Principal Investigator

Award Dates: 08/15/2022 to 08/14/2023

Description: This pilot award supported a collaboration with the Rhode Island Department of Health and the Rhode Island Department of Labor and Training to link employment records with immunization records to describe patterns in COVID-19 vaccine uptake by industry.

Initiative to Address COVID-19 Health Disparities Among Populations at High-Risk and Underserved

Funder: Centers for Disease Control and Prevention (NH75OT000037)

Role: Subcontract Principal Investigator (via Rhode Island Department of Health)

Award Dates: 06/01/2021 to 05/31/2025

Description: This initiative is intended to improve capacity to prevent and control COVID-19 infection among populations at higher risk and those that are underserved. My work seeks to increase and improve data collection and reporting for populations experiencing a disproportionate burden of COVID-19 infection, severe illness, and death to guide the response to the COVID-19 pandemic, resulting in the creation of new tools for data-driven decision-making by community leaders.

Grants Submitted

Community-Based Participatory Mathematical Modeling to Accelerate Efforts to End the HIV Epidemic

Funder: National Institutes of Health Common Fund (DP5OD031817)

Role: Principal Investigator

Planned Award Dates: 09/01/2021 to 08/31/2026

Description: This proposal for a National Institutes of Health Director's Early Independence Award aimed to develop collaborations with six local health departments across the Southeastern United States for stakeholder-driven development of agent-based models to support decision-making in efforts to expand the reach and impact of biomedical HIV prevention strategies.

Geospatial Ethnography of Overdose Risk Among Transgender and Gender Diverse Persons Who Use Drugs

Funder: National Institute on Drug Abuse (R21DA053453)

Role: Co-Investigator (PI: Alexandra Collins, PhD)

Planned Award Dates: 09/01/2021 to 08/30/2023

Description: This proposal aimed to pilot a mixed methods approach for collecting data about the social context of drug use among transgender people through an innovative map-based platform.

Harnessing Momentum: Equity, Diversity, and Inclusion at the Brown University School of Public Health

Funder: Robert Wood Johnson Foundation

Role: Guiding Team Member (PI: Meghan Ranney, MD)

Planned Award Dates: 03/15/2022 to 09/15/2023

Description: This proposal aimed to create cross-departmental teams to create and implement multi-year plans to advance systems-level change to improve diversity, equity, and inclusion efforts at the Brown University School of Public Health.

A Big Data Approach to Understanding the Impact of Residential Eviction on Substance Use Treatment

Funder: National Institute on Drug Abuse (R21DA055832)

Role: Principal Investigator

Planned Award Dates: 04/01/2022 to 03/2024

Description: This proposal aimed to link court records for residential eviction from the Rhode Island Judiciary with substance use treatment records from the Rhode Island Department of Behavioral Healthcare, Developmental Disabilities, and Hospitals to assess the causal impact of residential eviction on the completion of substance use treatment among people who use drugs.

Novel Causal Inference Methods for Evaluation of Spillover in Network-Based Studies for HIV Prevention

Funder: National Institute on Drug Abuse (R01DA057140)

Role: Subcontract Principal Investigator (PI: Ashley Buchanan, DrPH)

Planned Award Dates: 07/01/2022 to 06/30/2027

Description: This proposal aimed to further refine methods for quantifying spillover effects of HIV prevention interventions in the networks of people who use drugs in observational studies.

Constructing a Statewide Community Noise Model to Assess Impact on Pediatric Health Outcomes

Funder: National Institute of Environmental Health Sciences (R21ES035186)

Role: Co-Investigator (PI: Erica Walker, ScD)

Planned Award Dates: 04/01/2023 to 03/30/2025

Description: This proposal aimed to develop an exposure model for noise pollution and assess potential associations of community noise with emergency department utilization and hospitalization among children in Rhode Island using the state's hospital discharge database.

An Ethno-Epidemiological Study of Overdose Vulnerability Across Genders

Funder: National Institute on Drug Abuse (R01D1058662)

Role: Co-Investigator (MPI: Alexandra Collins, PhD and Brandon Marshall, PhD)

Planned Award Dates: 07/01/2023 to 06/30/2028

Description: This proposal aimed to conduct a mixed-methods assessment of the social context of drug use among cisgender and transgender women and their partners in a prospective cohort.

Capacity-Building Assistance to Strengthen Public Health Systems and Services

Funder: Centers for Disease Control and Prevention (via Cooperative Agreement)

Role: Co-Investigator (PI: Jennifer Nuzzo, DrPH)

Anticipated Award Dates: 08/01/2024 to 07/31/2029

Description: This award will support the development and implementation of a continuing education platform for epidemiologists employed at state, local, and territorial public health departments with the aim of strengthening core public health capacities in the United States.

PREPARE: Partnership for Regional Emergency Preparedness and Response Excellence in Region 1

Funder: Centers for Disease Control and Prevention (via Cooperative Agreement)

Role: Co-Investigator (PI: Jennifer Nuzzo, DrPH)

Anticipated Award Dates: 09/30/2024 to 09/30/2029

Description: This award will support the launch of a regional center that will serve as a coordinating hub for the development, implementation, and evaluation of evidence-based public health emergency preparedness and response activities across six states in New England.

Memories without Memorials: Digitally Recovering the Narratives of a Nation at the North Burial Ground

Funder: American Council of Learned Societies (Digital Justice Development Grant)

Role: Co-Investigator (PI: Jordi A. Rivera-Prince, PhD)

Anticipated Award Dates: 08/01/2025 to 1/31/2027

Description: This award aims to support a multidisciplinary archaeological collaboration that aims to use new digital technologies to recover the histories of individuals interred over a 325-year period in the free ground at the North Burial Ground, Providence's first public cemetery.

Advancing Health Equity in an Era of Risk-Guided Cancer Screening

Funder: National Cancer Institute (R01)

Role: Co-Investigator (PI: Rebecca A. Hubbard, PhD)

Anticipated Award Dates: 07/01/2025 to 06/30/2030

Description: This award aims to utilize data from the Breast Cancer Surveillance Consortium to develop methods for risk-guided screening that address specific sources of racial/ethnic disparities.

Evaluating a Statewide Community Intervention Model to Address Cardiovascular Risk

Funder: National Heart, Lung, and Blood Institute (R01)

Role: Co-Investigator (MP: Alison Tovar, PhD and Lauren Bohlen, PhD)

Anticipated Award Dates: 04/01/2026 to 03/31/2031

Description: This award aims to utilize a mixed-methods approach to study the implementation and effectiveness of HEZ, a novel community intervention model, to address cardiovascular disease risk, diet, and physical activity in diverse communities in Rhode Island.