MADALYN (MADDIE) TAYLOR

M.taylor@berkeley.edu | Berkeley, California

EDUCATION

University of California at Berkeley, Berkeley, CA **August 2022-Present**
PhD Candidate, Environmental Science, Policy, and Management (ESPM)
Society & Environment Division | GPA: 3.975/4.00
Anticipated graduation: May 2027

University of California at Berkeley, Berkeley, CA **May 2026**
Master of Public Health, Epidemiology & Biostatistics | GPA: 3.975/4.00
Thesis: *Characterizing Public Safety Power Shutoff Exposure Among Durable Medical Equipment Users: A Descriptive Analysis of California ZCTAs, 2017-2022*

Barnard College of Columbia University, New York, NY **May 2017**
B.A., Environmental Biology | GPA: 3.76/4.00 *(Cum Laude)*
Transferred from the **University of California, Santa Barbara**
Studied abroad with **Sea Education Association (SEA)**

DISSERTATION RESEARCH

Towards Disability-Inclusive Climate Change Adaptation: A Mixed-Methods Analysis of Differential Vulnerability and Health Outcomes Among Disabled People in California

UC Berkeley, Department of Environmental Science, Policy, and Management

Advisors: Dr. Rachel Morello-Frosch and Dr. Sunaura Taylor

METHODS AND SKILLS

- Epidemiological study design, descriptive and analytical epidemiology, regression analysis, generalized linear models, survey design and analysis, qualitative and mixed-methods research, community-based participatory action research, spatial analysis, Microsoft Office Suite.
- Programming languages: R, Python.

RESEARCH AND WORK EXPERIENCE

Hospitalizations Research Master's Intern, Kaiser Permanente June-September, 2026

- Collaborate with Dr. Stacey Alexeeff on a time-series study examining the relationship between heat waves and hospitalizations among Kaiser Permanente Northern California members using 10 years of electronic health records data
- Contribute to study design, with a focus on whether disability status modifies the relationship between heat exposure and hospitalization outcomes
- Conduct data analysis in R and assist with manuscript preparation and grant proposal development

Diversity and Community Fellow ***(Academic Year 2023 - 2024; part-time)***

- Employed by the University of California, Berkeley Office of Graduate Diversity to design and implement a disabled graduate student equity initiative on campus
- Collaborated with various institutional partners including the Office of the Chancellor and the Centers for Educational Justice & Community Engagement

• Created and facilitated a monthly Disability Peer Support Group
• Mentored prospective and current graduate and undergraduate students on disability access and inclusion at UC Berkeley

Graduate Student Researcher, *UC Berkeley* ***(2023-present; part-time)***
• Work with Dr. Alastair Iles, a Professor in the Department of Environmental Science, Policy, and Management at UC Berkeley and Dr. Alina Engelman, an Associate Professor in the Department of Public Health at Cal State East Bay
• Conduct systematic review and bibliometric analyses of public health literature and media coverage on heat waves and health outcomes among disabled adults in the Southwestern United States, with a focus on how vulnerability and disability are conceptualized and measured in climate-health research.

Sprout Up, a program of Environmental Volunteers ***(Aug 2019 - Aug 2023)***
National Director
• Grew organization from a single college chapter (founded 2015) to a national program before leading a formal merger with Environmental Volunteers in 2019
• Scaled organization from a $1,000 annual budget serving hundreds of NYC students to a $200,000 program reaching thousands of students across NY and CA
• Hired and onboarded successor director in 2022 upon beginning doctoral studies; continue to advise current leadership on strategy and organizational development
• Produced original curriculum focused on environmental justice and sustainability

PUBLICATIONS

McBrien H, **Taylor M**, Childs M, Schwarz L, Wolf K, Kioumourtzoglou MA, Morello-Frosch R, Casey JA. Air pollution exposure among people with limitations in activities of daily living in the United States. *Environmental Research: Health.* 2026. Under review.

Martin LM, **Taylor M**, Huston G, Goodwin DS, Schell JM, Siuda ANS. Pelagic *Sargassum* morphotypes support different rafting motile epifauna communities. *Marine Biology.* 2021;168(7):115.

CONFERENCES

Taylor, M., H. McBrien, L.B. Wilner, R. Morello-Frosch, J.A. Casey. International Society for Environmental Epidemiology North American Chapter (ISEE-NAC). 2026. Poster presentation: Characterizing Public Safety Power Shutoff Exposure Among Electricity-Dependent Durable Medical Equipment Users in California, 2017-2022. **(Accepted)**

Taylor, M., A.N.S. Siuda, D. Goodwin, G. Huston, and J.M. Schell. 69th Gulf and Caribbean Fisheries Conference. 2016. Presentation: Biogeographic & temporal changes in mobile fauna community on pelagic Sargassum in the Caribbean Sea, 2015-2016.

REPORTS & PRESENTATIONS

Taylor, M & Pittis, K. Eco-Ableism: The Intersections Between Disability & Environmental Justice.

Women in Sustainability & Sprout Up. 2021.

Stinnette I, **Taylor M**, Kerr L, Pirani R, Lipuma S, Lodge J. The State of the Estuary: Environmental Health and Trends of the New York - New Jersey Harbor Estuary. Hudson River Foundation, NY NJ Harbor Estuary Program. 2018.

TEACHING EXPERIENCE

Graduate Student Instructor, *UC Berkeley* *(Spring 2026 and Fall 2026 ; part-time)*
Communications for Engineering Leaders at the Fung Institute for Engineering Leadership

Graduate Student Instructor, *UC Berkeley* *(Fall 2023, Fall 2024, and Fall 2025; part-time)*
The Politics and Practice of Sustainability Transitions with Dr. Alastair Iles

Graduate Student Instructor, *UC Berkeley* *(Spring 2024; part-time)*
Bodies, Difference, and the Environment with Dr. Sunaura Taylor

AWARDS AND HONORS

ESPM Continuing Fellowship, UC Berkeley 2027

Robert and Patricia Switzer Foundation, Switzer Fellow 2026-2027

Boomer Esiason Foundation, Graduate Student Scholarship 2025-2026

Data Science for Social Justice Fellow, UC Berkeley D Lab 2025

NSF GRFP, Finalist 2024

Diversity and Community Fellow, UC Berkeley Office of Graduate Diversity 2023-2024

UC Berkeley Chancellor's Fellow 2022-2023

VOLUNTEER SERVICE

Sprout Up, a program of Environmental Volunteers ***(Jan 2014 - Present)***
Volunteer

- Serve on volunteer advisory council; provide ongoing mentorship and strategic guidance to current organizational leadership