

ANNA BOSER

EDUCATION

University of California, Santa Barbara | Berkeley, California

September 2020

PhD, Environmental Sciences and Management

University of California, Berkeley | Berkeley, California

May 2020

Bachelor of Arts in Statistics

GPA: 4.00

RESEARCH EXPERIENCE

College of Natural Resources, UC Berkeley | Berkeley, California

May 2019–Present

Research Assistant under Professor Matthew Potts.

- o Uses a combination of spatial datasets on fire perimeters, remotely sensed plumes, and ground level particulate matter estimates to analyze emissions of smoke from wildfires and prescribed burns in California
- o Uses hospitalization and emergency department data from the Office of Statewide Health Planning and Development in order to analyze health effects of smoke emissions

School of Public Health, UC Berkeley | Berkeley, California and Niamey, Niger

September 2017–May 2018

Research Assistant under Dr. Daniel Perlman for the Center for Girls' Education Program in Nigeria.

- o Conducted analysis of field notes for studies on Early Marriage and Women's Empowerment
- o Leads a group of students to analyze ethnographic field notes and complete a paper on early marriage in Northern Nigeria
- o Instructed a group of six students on grounded theory and qualitative analytical methods

IDSanté Association | Cayenne, French Guiana

May 2017–August 2017

Research Assistant Intern under Dr. Emilie Mosnier

- o Conducted research on the social and cultural dynamics surrounding the HIV epidemic on the franco-brazilian border
- o Wrote descriptive field notes on the epidemic published in *AIDS* (2018)
- o Collected data and conducted statistical analysis to produce a poster presented at the 18th National Congress of the French Society for the Fight Against AIDS (SFLS) in 2017

PUBLICATIONS AND POSTERS

- o *In preparation*: Boser AS, et al. "Agency and Decision Making in the Marriage Process: An Ethnographic Study of Early Marriage in Rural Hausa Communities in Northern Nigeria." *Journal of Human Development and Capabilities*.
- o *Accepted*: Boser AS, Evans S, Potts MD. *The Effect of Prescribed Burn Smoke on Emergency Department Visits and Hospitalizations in California*. Poster to be presented at: 3rd International Smoke Symposium. April 20-24 2020. Davis, California.
- o Mosnier E, Epelboin L, Guiraud N, Huber F, Adriouch L, Guarmit B, Boser AS, . . . Nacher, M.. Spatial dynamics and epidemiology for AIDS in remote areas in French Guiana. *AIDS Care*, 1-7 (2018).
- o Boser AS, Bidaud B, Maues S, Guiraud N, Mendes AM, Lacapere F Rhodes S, Huber F, Adriouch L, Nacher M, Mosnier E. Addressing HIV on the French Guianese-Brazilian border: No choice but collaboration! *AIDS* 32, 539–542 (2018).
- o Boser AS, Bidaud B, Adriouch L, Epelboin L, Guiraud N, Gaillet M, Carrera C, Brousse P, Mosnier E. VIH sur la frontière franco-brésilienne: mobilité et précarité sur une région en épidémie généralisée. Poster presented at: 18th National Congress of the French Society for the Fight Against AIDS (SFLS). 2017 Oct 19-20. Nice, France.

FELLOWSHIPS AND AWARDS

- o University Medal, UC Berkeley 2020
- o National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP) 2020
- o Eugene Cota-Robles Fellowship, UC Santa Barbara 2020
- o Undergraduate Research Apprenticeship Program Summer Fellowship, UC Berkeley 2018
- o Kiwanis Club Scholarship, Berkeley 2016

LEADERSHIP AND TEACHING EXPERIENCE

Berkeley Medical Reserve Corps (BMRC) | Berkeley, CA

September 2017–Present

BMRC Deputy Director of Disaster Preparedness (EMT certified)

- o Coordinates with the California Emergency Medical Services Authority and the University of California Police Department to deploy our 80+ members as needed in case of disaster
- o Trains 80+ EMTs in disaster response and organizes bi-annual Mass Casualty Incident (MCI) Drills
- o Teaches AHA-certified CPR classes (certified instructor)

REFERENCES

- o Professor Matthew Potts (Principle Investigator at the College of Natural Resources, UC Berkeley): mdpotts@berkeley.edu
- o Dr. Adam Lucas (Professor for Stat 134: *Concepts of Probability* and Stat 135: *Concepts of Statistics*): alucas@berkeley.edu
- o Dr. Daniel Perlman (Principle Investigator at the School of Public Health, UC Berkeley): dperl@berkeley.edu