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# Callie Ogland-Hand

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## Education

**Case Western Reserve University** | Cleveland, OH Expected graduation May 2025  
PhD in Epidemiology & Biostatistics  
School of Medicine, Department of Population and Quantitative Health Sciences

**The College of Wooster** | Wooster, OH May 2019  
Bachelor of Arts, *Magna Cum Laude* (Dual Major: Mathematics and Sociology) Overall GPA: 3.8/4.0

**Danish Institute for Study Abroad** | Copenhagen, Denmark Fall 2017  
Program: Health Delivery and Prioritization, and week-long trips to Helsinki, Finland and Tallinn, Estonia

## Research and Teaching Experience

**Case Western Reserve University** Cleveland, OH  
*Graduate Student Research Assistant* Fall 2020 – Current

- Developed protocol and facilitated focus groups; coded qualitative data; onboarded study participants as part of the Ohio COVID-19 Child Care Study (Supervisor: Dr. Darcy Freedman).
- Performed literature reviews and preliminary research on patient navigation within smoking cessation interventions (Supervisor: Dr. Jin Kim-Mozeleski).
- Analyzed Nationwide Inpatient Sample data and found racial disparities in rectal cancer patients who undergo sphincter saving procedures (Supervisor: Dr. Siran Koroukian).

**University of Michigan School of Public Health** Ann Arbor, MI  
*Research Tech Intermediate* Summer 2019 – Summer 2020

- Interviewed teens with Type 1 Diabetes and their primary caregivers as part of the Adolescent Interventions to Manage Self-Regulation of Type 1 Diabetes (AIMS T1D) study, which investigates if intervention methods like mindfulness, goal setting, and memory skills can improve medication adherence (Supervisor: Dr. Kate Bauer).
- Recruited families for participation via phone call and in-person intercepts.
- Mentored new research assistants on lab-reporting procedure and protocol related to AIMS T1D study.

**College of Wooster Dept. of Mathematics and Dept. of Sociology** Wooster, OH  
*Interdisciplinary Senior Independent Study Project* Fall 2018 – Spring 2019

- Explored the significant social variables for choosing a vegetarian diet by (1) building three logistic regression models and parameterizing them with NHANES data and (2) interpreting statistical results through the lens of sociologists Ulrich Beck and Ervin Goffman. Found that income level and social risk concerns were key differences between true vegetarians and those that claimed to be vegetarian but ate meat (Math Advisor: Dr. Marian Frazier; Sociology Advisor: Dr. Seiko Matsuzawa).

**Progressive Insurance Corporation** Mayfield, OH  
*Applied Methods & Research Experience (AMRE) Consultant* Summer 2018

- Predicted rental insurance market growth as a member of an international undergraduate team using big data and regression analysis in R (Supervisor: Dr. Marian Frazier and Dr. Rob Kelvey).

**College of Wooster Dept. of Mathematics** Wooster, OH  
*Teaching Assistant for Math 227: Operations Research* Fall 2018

- Graded homework, graded student presentations, and provided supplemental instruction.

## Peer-Reviewed Journal Publications

**C. Ogland-Hand**, M. Frazier. "Social Determinants of Vegetarianism and the Accessibility of Vegetarian Diets from NHANES." *Journal of the Academy of Nutrition and Dietetics*. In prep.

D.A. Freedman, T.H. Ciesielski, O. Yamoah, E.A. Borawski, K.R. Ross, N.L. Nock, E.K. Lee, **C. Ogland-Hand**, A.

Dimitropoulos, S. Minnes, K. Burkhart, D. Tisch. "COVID-19 in Ohio Childcare Worksites from August 15, 2020 through January 1, 2021." *Child: Care, Health and Development*. In prep.

## Research Presentations

***You Are What You Eat: Regression Analysis of the Social Determinants of Diet*** April 2019  
Oral Presentation: College of Wooster Senior Independent Study Symposium Wooster, OH

***You Are What You Eat: Regression Analysis of the Social Determinants of Diet*** April 2019  
Poster Presentation: College of Wooster Senior Independent Study Symposium Wooster, OH

***AMRE 2018: Progressive Insurance Team*** October 2018  
Oral Presentation: Experiential Learning Symposium Wooster, OH

## Leadership Experience

**College of Wooster Student Government Association (SGA)** Wooster, OH  
*At-Large Senator | Class of 2019 Senator* Spring 2017 | Spring 2016 to Fall 2017, Spring 2018 to Fall 2018

- Chair of the Allocations Committee: led team of six to manage \$500,000 student organization budget.
- Chair of Public Relations Committee: led team of four to run all SGA social media and create event posters.
- Member of Student Advocacy Committee: created a comprehensive survey of student dining services usage, improved Wooster's housing policy, and edited student-wide reports.

**Alpha Gamma Phi Sorority at the College of Wooster** Wooster, OH  
*Vice President* 2018 to 2019 Academic Year

- Led communication with College of Wooster officials through chapter report writing.
- Organized and facilitated community-building activities.

## Program Development Experience

**Camp Henry** Newaygo, MI  
*Head Counselor | Counselor and Lifeguard* Summer 2018 | Summers 2016, 2017

- Provided 24-hour programming and supervision for campers age 7-17.
- Facilitated team development and cohesion among staff and campers.
- Collaborated with staff members to develop programs and implement events.

**College of Wooster Wellness Center** Wooster, OH  
*Health and Nutrition Student Assistant* Fall 2018 – Spring 2019

- Developed content for Wooster's Wellness Challenge: Mind, Body, Green.
- Organized and led food and nutrition tours of Wooster's dining services.

**College of Wooster Admissions Office** Wooster, OH  
*Communications Assistant* January 2016 – May 2019

- Assisted prospective students and families navigate the college search.
- Answered questions relating to academics, scholarships, extracurricular activities.

## Honors and Awards

Alpha Kappa Delta (Sociology), Pi Mu Epsilon (Mathematics), Dean's List, College Scholar Award, Covenant Scholar

## Software Skills

R | SAS | Nvivo | REDCap | MiChart | Microsoft Office | Latex

References available upon request