

Katherine Baker, PhD, MS, MPH, NDTR (*she/they*)
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Education:

Cornell University, Division of Nutritional Sciences, Ithaca, NY, Aug. 2019-Aug. 2023

PhD in Community Nutrition

Minors: communication and human dimension/natural resource management

DPD verification statement: awarded May 2022

Dissertation: *Mixed methods assessment of nutrient-dense foods and food sustainability practices at bodegas and supermarkets in New York City*

GPA: 4.0

Columbia University, Mailman School of Public Health, New York, NY, Sept. 2017-May 2019

MPH Environmental Health Science, Focus: Climate and Health

Capstone: Examining health impacts of extreme weather events due to climate change completed with Natural Resource Defense Council

GPA: 3.9

Columbia University, Institute of Human Nutrition, New York, NY, Aug. 2015-Oct. 2016

MS Human Nutrition

Thesis: *Using an online model to increase nutrition knowledge and self-efficacy in college-aged students*

GPA: 3.8

New York University (NYU), New York, NY, Sept. 2010-May 2014

BA in Psychology

Minors: Nutrition, Chemistry, Child & Adolescent Mental Health

GPA: 3.8, magna cum laude graduate

Clinical Credentialing:

Nutrition and Dietetics Technician, Registered, Sept. 2023-present

Accredited by the Commission on Dietetic Registration

Professional and research experience:

University of Southern California, Los Angeles, CA, Aug. 2023-present

Presidential Sustainability Solutions Fellow, Sol Price School of Public Policy (Research mentors: Wandi Bruine de Bruin, Kayla de la Haye)

- Working as a lead investigator on mixed-methods studies aimed at supporting shifts to sustainable dietary patterns on USC campus, and in Los Angeles County (LAC).
- Attending weekly presidential fellowship meetings focused on interdisciplinary solutions to sustainability challenges with a group of other postdoctoral fellows.
- Completed the University of Southern California (USC) Future Faculty Teaching Institute course, which focuses on important teaching skills such as course design, inclusive learning, and student evaluation.
- Attending Clinical Fellows meetings to gain exposure to different research.
- Completed the Introduction to Clinical and Translational Research course through the Southern California Clinical and Translational Science Institute.

Cornell University, Ithaca, NY, May 2023-July 2023

Course Facilitator

- Served as a course facilitator for the “Write Together At Home” (WTAH) program, offered to graduate students and postdoctoral fellows through The Knight Institute at Cornell University. As a course facilitator, I gave weekly writing lessons, and offered structured writing sessions for course participants. I also offered tutoring hours for students.

Cornell University, Ithaca, NY, Aug. 2019-Aug. 2023

Graduate Research Assistant (PI: Dr. Roger Figueroa)

- Used mixed methods (including quantitative, qualitative and evidence synthesis) to complete a dissertation project focused on nutrient-dense food availability and food sustainability practices in New York City.
- Wrote and co-wrote submitted grants to fund my research projects and associated travel (award amounts: \$44,918 and \$1,350).
- Managed a total of 9 undergraduate research assistants (up to 5 at a time) throughout the degree program. Met with the undergrad research assistants weekly and provided training focused on conducting systematic reviews, conducting qualitative surveys, analyzing qualitative data using thematic analysis in how to conduct systematic reviews, and conducting geospatial mapping using QGIS.
- Mentored 2 masters of public health (MPH) students and guided them with their capstone projects. Hosted regular meetings, delegated research tasks, incorporated feedback into existing projects, and provided feedback to students on capstone deliverables.
- Contributed to systematic reviews using Covidence including a review focused on Supplementary Nutrition Assistance Program Education (SNAP-Ed) for families in the United States and led a review focused on the existing knowledgebase of grocery store auditing tools that assess nutrient-dense food availability and food sustainability practices.
- Assisted on an intervention study with older adults in Ithaca, NY that used videochat to connect Meals on Wheels participants with other adults during meal times to reduce loneliness and increase food intake. Tasks included recruitment, writing technology and training protocols, participant technology training, conducting 24 hour recalls, and inputting dietary intake into ASA24 software for dietary assessment.
- Co-authored a review on food systems and aquaculture as part of my human dimension/natural resource management; focused on climate change and its projected impacts on these systems and food and nutrition security.
- Reviewed grants for Cornell Center for Health Equity Pilot Projects.

Cornell University Knight Office Institute, Ithaca, NY, Sept. 2020-May 2023

Senior English Language Support Office Writing Tutor

- Met individually with multilingual graduate students and postdoctoral fellows for 1-2 hour sessions each week, totally 5 hours of tutoring per week. Sessions focused on the writing process, including brainstorming, literature review and synthesis, idea organization, grammar, clarity and flow.

Cornell University, New York, NY, Jun. 2022-Aug. 2022 (fellow); Jun 2022-Aug. 2023

Action Research Collaborative (ARC) Summer Fellow (PIs: Drs. Tashara Leak and Neil Lewis) and ongoing ARC graduate affiliate

- Developed interview guide using capability, opportunity, motivation, and behavior (COM-B) framework to examine parent perception of Adapted Health 4 Life, a comprehensive weight-management program at Columbia University ($n=60$).
- Drafted grant for \$4,000 to examine the feasibility of a 8 week intervention involving ($n=30$ families).
- Contributed to a policy action-targeted secondary analysis focused on air pollution and food security in Queens, New York, in preparation for submission.
- Helped plan and facilitate a 2-day symposium for researchers, clinicians and community workers engaged in action research, public health, and health equity.
- As a post-fellowship affiliate, I engage in monthly meetings with other ARC faculty and fellows to discuss ongoing action focused on developing and sustaining equitable and sustainable research actions.

Planet Forward, New York, NY, Oct. 2017-Oct. 2021

Media Correspondent

- Created multimedia (visual, written, audio and video) pieces about climate change and human health, and solutions to climate change.
- Participated in trips to Alaska and California to interview local residents and experts about their experiences with climate change in their communities and shared their stories through additional media pieces.
- Worked with peer correspondents on story development and science communication through workshops and conferences.

Columbia University, Mailman School of Public Health, New York, NY, Aug. 2018-May 2019

Research Assistant (PIs: Carlos Dora of the World Health Organization, and Marta Schaaf and Terry McGovern of Columbia University Mailman School of Public Health)

- Conducted literature and policy reviews to examine existing legislation on air pollution worldwide and contributed to program and legislation planning focused on a rights-based approach to food security.

Columbia University, Mailman Office of Communication, New York, NY, Jan. 2019-May 2019

Student Writer

- Interviewed Columbia Mailman Public Health research teams about their research.
- Wrote press releases, media boiler points, and web-based articles for the Columbia Mailman Public Health website about public health research innovations and highlights.
- Created visuals and graphics about public health research updates from Columbia Mailman research staff for distribution across Columbia Mailman's social media channels (Twitter, Instagram), adhering to Americans Disability Act (ADA) compliance.

New York Presbyterian Hospital, New York, NY, May 2018-Aug. 2018

Research Assistant

- Contributed to literature review about parental nutrition and parenteral nutrition policies in New York City.

Spoon University, New York, NY, Apr. 2013-June 2018

Writer, nutrition & health researcher, recipe & video editor

- Authored over 220 articles focused on food and nutrition. Gained training in Search Engine Optimization (SEO), WordPress, CMS, FinalCut Pro, photography, videography, PhotoShop, and Adobe.
- Wrote, edited, and filmed video content focused on nutrition and easy cooking methods for college-aged students.

Easter Seals, West Allis, WI, Sept. 2014-Feb. 2015

Autism Line Therapist

- Provided in-home Applied Behavior Analysis therapy to clients ages 2-10 diagnosed with Autism Spectrum Disorders.
- Worked with a team of other providers to deliver individualized care.

NYU Langone Child Studies Center, New York, NY, Jan. 2011-Jun. 2013

Undergraduate Research Assistant (PIs: Dr. Howard Abikoff, Dr. Richard Gallagher)

- Received behavioral analysis training for coding childhood attention-deficit hyperactivity disorder (ADHD) and oppositional defiant disorder (ODD) symptoms in research settings.
- Coded behavioral testing materials for a large study on ADHD and ODD in children.
- Assisted in participants assessments at baseline and post-intervention by setting up study materials and games, and recording assessments.
- Managed participant family questions throughout the recruitment and ADHD assessment process.
- Worked with Dr. Richard Gallagher to conduct an independent study and review on delayed gratification in children.

Teaching Experience:

Cornell University, Ithaca, NY, Aug. 2019-Dec. 2022

Teaching Assistant & Course Assistant

- Served as a teaching assistant and course assistant for a variety of undergraduate and graduate classes including Nutrition and Disease, Introduction to Public Health, Public Health Nutrition, Public Health Communication and Explorations in Global Public Health.
- Developed teaching materials to teach key concepts. Prepared and delivered lectures and facilitated labs. Wrote scripts for, and helped produce educational videos to teach course content.
- Developed evaluation materials including quizzes, exams, and homework assignments. Graded class materials.
- Managed undergraduate teaching assistants (up to 6 at a time) to help with course administration tasks, including managing online course sites on Canvas, collecting attendance and other data.
- Held office hours to help students with course material, and with assignments.
- Taught in person, online, and in hybrid formats.

Columbia University, Mailman School of Public Health, Environmental Health Science, New York, NY, Jan. 2019-May 2019

Graduate Teaching Assistant, P8311 Basic and Applied Nutritional Science: Emerging Global Issues

- Managed online course interface, Canvas, including uploading documents and assignments.
- Moderated in-course discussions and case studies.
- Provided feedback for and graded student essays, presentations and homework.

Columbia University in the City of New York, New York, NY, Jul. 2018-May 2019

Teaching Assistant, Food Policy & Public Health

- Graded weekly homework assignment and was responsible for other course administrative tasks, including attendance.
- Hosted office hours for students to help them understand course content and complete assignments.
- Provided ongoing feedback for student projects and papers.

Marquette University, Educational Opportunity Program, Milwaukee, WI, Jun. 2017-Aug. 2017

Chemistry Instructor, Educational Opportunity Program for rising college students

- Delivered lectures on chemistry, planned, prepared for, and led chemistry labs for students to complete their summer project, which was focused on the development of a hand lotion.
- Helped students prepare projects for a symposium competition at the project culmination and attended and judged the competition.

Summary of teaching experience:

Course	Role	Department and University	Term
VTPEH 6184 - Public health Communication (<i>graduate course</i>)	Course assistant	Public Health, Cornell University	Fall 2022
NS 4410 Nutrition and Disease (<i>undergraduate course</i>)	Teaching assistant	Division of Nutritional Sciences, Cornell University	Spring 2022, Fall 2020
NS 1600 - Introduction to Public Health (<i>undergraduate course</i>)	Teaching assistant	Division of Nutritional Sciences, Cornell University	Fall 2021
NS 4500 - Public Health Nutrition (<i>undergraduate course</i>)	Teaching assistant	Division of Nutritional Sciences, Cornell University	Spring 2021, Spring 2020
NS4600 Explanations in Global Public Health (<i>undergraduate course</i>)	Teaching assistant	Division of Nutritional Sciences, Cornell University	Fall 2019
P8311 - Basic and Applied Nutritional Science: Emerging Global Issues (<i>graduate course</i>)	Teaching assistant	Environmental Health Sciences, Columbia University	Spring 2019
UN11100: Food, Public Health, and Public Policy (<i>undergraduate course</i>)	Teaching assistant	Ecology, Evolution, & Environmental Biology, Columbia University	Fall 2018
EOP Chemistry (<i>college preparatory</i>)	Instructor	Educational Opportunity Program, Marquette University	Summer 2017

Summary of lectures given:

Lecture Title/Topic	Course	Department and University	Date
Nutrient dense food access and food sustainability in urban food environments	SSCI - Food, Health & Place	University of Southern California	Fall 2023
Nutrition and Climate Change	NS 1150 - Nutrition, Health & Society	Division of Nutritional Sciences, Cornell University	Fall 2022
Narrative, Emotion, Storytelling (<i>facilitated lab; flipped classroom design</i>)	VTPEH 6184 - Public health Communication	Public Health, Cornell University	Fall 2022
Mental Health: A Public Health Problem	NS 1600 - Introduction to Public Health	Division of Nutritional Sciences, Cornell University	Fall 2022
Nutrition and Climate Change	NS 1150 - Nutrition, Health & Society	Division of Nutritional Sciences, Cornell University	Fall 2021
Mental Health: A Public Health Problem	NS 1600 - Introduction to Public Health	Division of Nutritional Sciences, Cornell University	Fall 2021
Public health policy development	NS 4500 - Public Health Nutrition	Division of Nutritional Sciences, Cornell University	Spring 2021
Public health policy analysis	NS 4500 - Public Health Nutrition	Division of Nutritional Sciences, Cornell University	Spring 2021
Public health policy analysis	NS 4500 - Public Health Nutrition	Division of Nutritional Sciences, Cornell University	Spring 2020
Introduction to epidemiology and the importance of epidemiological research in nutrition	P8311 - Basic and Applied Nutritional Science: Emerging Global Issues	Environmental Health Science, Columbia University Mailman School of Public Health	Spring 2019
Food safety and public health	UN11100: Food, Public Health, and Public Policy	Ecology, Evolution, & Environmental Biology, Columbia University	Fall 2018
Lab topic overview and instruction (16 sessions)	EOP Chemistry	Educational Opportunity Program, Marquette University	Summer 2017
Lab topic overview and	FsCN 1011, The Science	Food Science, University of	Fall 2016

instruction (12 sessions)	of Food & Cooking	Minnesota, Twin Cities	
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Recent peer-reviewed publications:

Baker K, Burd L, Figueroa R. Consumer nutrition environment measurements for nutrient-dense food availability and food sustainability: A scoping review. *Archives of Public Health*. 2024.

Figueroa R, **Baker K**, Capellan JA, Pinheiro LC, Burd L, LimJ, Chiong R, Eboh R, & Phillips E. Geospatial patterns of an urban food environment and its associations with fruit, vegetable, and sugary beverages consumption among middle-aged adults. *Public Health Nutrition*. 2023.

Chiong R, Salas J, Kohn J, John ES, **Baker K**, Gonzalez M, & Figueroa R.. Project FRIENDS: A Qualitative Study on Food-Related Lived Experiences of Individuals With Low Income in New York State. *Journal of Nutrition Education and Behavior*, 2023; 55(7), 27.

Fiorella KJ, Okronipa H, **Baker K**, Heilpern S. Contemporary aquaculture: implications for human nutrition. *Curr Opin Biotechnol*. 2021;70:83-90. doi:10.1016/j.copbio.2020.11.014

Baker K, Figueroa R. Motivation, Attitudes, and Diet Quality Among US Parents and Adolescents. *Am J Health Behav*. 2021;45(1):125-137.doi: doi.org/10.5993/AJHB.45.1.10

Professional conference presentations and posters:

Cornell Center for Health Equity Third Symposium, New York, NY, Oct. 2022

- Title: “Bodega-to-supermarket ratios, diet and demographic characteristics in NYC”

National Institute of Health Health Equity Conference 2021, virtual,

- Title: “A latent profile analysis of the food environment in the Brooklyn borough, NYC” by Figueroa R, **Baker K**, Chiong R, Capellan J, Pinheiro L, Burd L, Lim J, Eboh R, Phillips E.
- Poster award recipient for conference

Society for Behavioral Medicine 42nd Annual Meeting, virtual, Apr. 2021

- Title: “Motivation, Attitudes, and Diet Quality Among US Parents and Adolescents”

Professional organization affiliations:

Academy of Nutrition and Dietetics, *General member, 2021-present*

- *Member of DPG14 (Vegetarian Nutrition Group), 2023-present*
- *Member of DPG15 (Hunger and Environmental Nutrition), 2024-present*

American Public Health Association, *Member, Jun. 2020-Jun. 2020*

Society for Behavioral Medicine, *Member, Jun. 2020-Jun. 2020*

Other academic service:

Peer-reviewer for the following publications:

- Journal of Hunger and Environmental Nutrition

Leadership & Volunteer Involvement:

Cornell Nutrition Graduate Student Organization (NGSO), Ithaca, NY, Aug. 2019-May 2023

Secretary (2020-2021), Social Media Chair (2019-2020)

- Organized NSGO meetings and sent out meeting minutes to nutrition graduate students.

- Assisted in planning and organized professional development and social events for nutrition graduate students.
- Managed social media pages for the organization (Twitter, Instagram).

The Trevor Project, July 2022-April 2023

Crisis line volunteer

- Participated in training for the TrevorChat line for LGBTQ+ youth.

Cornell Center for the Study of Inequity, Ithaca, NY, Sept 2020-Aug. 2023

Graduate student affiliate

- Attended seminars about understanding inequality patterns, causes, and consequences of social and economic inequality.

Cornell Pelvic Pain Association, Ithaca, NY Oct. 2021-July 2023

Member

- Delivered pelvic pain education materials to the Cornell student body. Worked on Cornell-level policy advocacy to improve available healthcare options for Cornell University students with pelvic pain conditions.

IHN Alumni Association, New York, NY, July 2020-Oct. 2023

Alumni volunteer

- Conducted menu assessment for New York City schools.

Columbia University Food Waste Committee, New York, NY, Sept. 2018-May 2019

Member

- Managed compost bins in the Environmental Health Science department at Columbia Mailman School of Public Health.
- Advocated for program expansion throughout Columbia University.

Columbia University Students for Environmental Action, New York, NY, Sept. 2017-May 2019

Member

- Received training in climate health policy and communication and attended networking events for individuals interested in working in climate change.

Columbia University Students for Food Policy and Obesity Prevention (FPOP), New York, NY, Sept. 2017-May 2019

Member

- Provided health-promoting food choices and nutrition and obesity prevention educational materials on campus to Columbia students.

VA Medical Center, Milwaukee, WI, Jan. 2015 – Aug. 2015

Dietetics volunteer

- Administered food and nutrition patient satisfaction surveys and worked on meal delivery and plate waste assessment.

The Bubble Foundation, New York, NY, Jan. 2014-May 2014

Volunteer Nutrition and Healthy Cooking Educator

- Conducted nutrition education and healthy cooking classes in New York City schools.

NYU Child and Adolescent Mental Health Club, Sept. 2010-May 2013

Officer

- Worked with four other officers to provide social events, training events and networking opportunities for NYU undergraduates interested in child and adolescent mental health.

NYU Peer Health Exchange, Oct. 2011-May 2012

Volunteer, member

- Delivered health education materials to peers in New York City.

SAGE NYC, New York, NY, Jan. 2011-May 2012

Social events planner volunteer

- Planned and ran events for SAGE NYC, committed to serving LGBTQ+ older adults.

Continuing Professional Education:

Activity Title	Activity Provider	CPE Units	Activity Date
Plant-Based Diets in the Prevention and Treatment of Type 2 Diabetes	Hunger and Environmental Nutrition (HEN) Dietetic Practice Group	1.0	Feb. 2024
Positive Change Through the Farm Bill: Empowering Dietitians as Experts and Citizens	Hunger and Environmental Nutrition (HEN) Dietetic Practice Group	1.5	Jan. 2024
2025 Dietary Guidelines Advisory Meeting 4	United States Department of Agriculture	5.00	Jan. 2024
Using the 2024 Scope and Standards of Practice to Expand Opportunities	Commission on Dietetic Registration	2.00	Jan. 2024
Quarterly Spotlight on Malnutrition: Advancing Quality and Strengthening Interdisciplinary Collaboration (Part I) 179431	Commission on Dietetic Registration	1.00	Nov. 2023
FNCE 2023: Gender-affirming Nutrition in Sports: Providing Excellent Care for Transgender and Gender Diverse Individuals 177764	Academy of Nutrition and Dietetics	1.50	Oct. 2023
FNCE 2023: Improving Health Equity for Youth with Autism or Intellectual Disability Through Integrated Nutrition Care 177661	Academy of Nutrition and Dietetics	1.50	Oct. 2023
FNCE 2023: Innovation for a Plant-astic Future: Adapting DGAs for Healthy Vegetarian and Vegan Diets 177456	Academy of Nutrition and Dietetics	1.50	Oct. 2023
FNCE 2023: Patient-Centered Success: Bridging the Gap Between Eating Disorders and Obesity Clinicians 177847	Academy of Nutrition and Dietetics	1.50	Oct. 2023
FNCE 2023: Providing Better Nutrition Care for the LGBTQ+ Community 177441	Academy of Nutrition and Dietetics	1.50	Oct. 2023

Awards/Honors:

Magna Cum Laude Latin Honors graduate of NYU; Founder's Day Award (top-ranking Baccalaureate graduate) of NYU; Dean's List for Academics (NYU); Planet Forward Storyfest Award Winner, 2018

Technical Skills:

Academic writing, Media/press writing, Science and health communication, Survey writing (Qualtrics), Data collection, Mixed-methods data analysis (QGIS, R, STATA, Python, SPSS NVIVO), Data synthesis (searching PubMed, WebOfScience, Scopus, Cochrane, etc.; utilizing Covidence software), Google Analytics, WordPress, Adobe Suite, Microsoft Suite

Other Certifications/Trainings:

- The Op-Ed project, Sept. 2022
- ServSafe Manager Food Safety Certification, Feb. 2022
- New York State Citizen Public Health Leaders Training Program, Apr. 2020
- Collaborative Institutional Training Institute, Aug. 2020
- Climate Leadership Reality Corps member, Jul. 2020
- eCornell: SNAP-Ed Making the Healthy Choice the Easy Choice, Apr. 2020
- FDA FSMA Food Quality and Safety Certified Individual, Dec. 2016
- Neuroanatomical Dissection Continuing Education Course, Marquette University, July 2013