

Miguel Ángel López, PhD, MPH, RDN, LDN

Education

- From August 2019 to May 2023
● PhD, Social Behavioral and Population Sciences
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
Dissertation: Death by English: Navigating an Anglo-centered Food and Nutrition Environment as a Linguistically Isolated Latino Adult Living in the U.S.
- From August 2017 to May 2019
● MPH, Epidemiology
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
Practicum: Longitudinal Association between Serum NT-proANP and Central Obesity Findings from Gusu Cohort of Chinese Adults
- From August 2013 to May 2017
● BS, Nutritional Science (Coordinated Program in Dietetics)
Texas Christian University, Tucker College of Science and Engineering Fort Worth, TX
Thesis: An Analysis of Metabolic Feedback to High-fat Meals of Assorted Fatty Acid Composition

Licensure and certifications

- Registered dietitian nutritionist (renewal: 08/2023)
- Licensed dietitian nutritionist (renewal: 08/2023)
- Team strategies and tools to enhance performance patient safety
- National Institutes of Health: Protecting human subject research participants
- CITI Training: Conflict of interest (renewal: 10/23)
- CITI Training: Biomedical research investigators, key personnel (renewal: 10/2023)

International professional experience

- From May 2019 to August 2019
● Research assistant
Asociación Benéfica PRISMA Lima, Peru
 - Surveyed head of households of randomly selected households and electronically recorded (REDCap) data on food (in)security status, food access, and observations/perceptions of the surrounding food environment.
 - Designed map of income-stratified stratified and randomly selected households surveyed in Villa El Salvador, a rural and low income district in Lima, Peru.
 - Executed statistical analysis plan; analysis included but was not limited to chi square, one-way ANOVA, and multivariable logistic regression modeling
- From May 2018 to August 2018
● Research assistant
Soochow University Suzhou, China
 - Designed data protocol for prospective cohort study, to explore the association between non-traditional biomarkers of obesity, body mass index, and waist circumference
 - Analyzed primary data collected; analysis included but not limited to correlation analyses, frequency distribution analyses, and Cox proportional-hazards modeling
 - Drafted research manuscript; designed and presented research poster with guidance from local mentors
- From May 2016 to July 2016
● Nutritionist
La Fundacion Gota de Leche Seville, Spain
 - Trained incoming interns to properly match powdered milk formulas to infants' needs
 - Facilitated student breakfast program for *Paloma Blanca*, a low-income elementary school
 - Designed and implemented a schedule to better organize non-corporate dietary donations

Domestic professional experience

- Since September 2018
● Teaching assistant (TA)
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
Nutrition in Lower- and Middle-income Countries
Epidemiological Methods II
Epidemiological Methods I
 - Design homework, exams, and labs from course material and appropriate for students' grade level
 - Maintain regularly scheduled TA hours: open-door tutoring sessions for an individual student or small group of students
 - Moderate and grade exams, homework, group projects, and all other course assignments
- Since November 2021
● Research assistant
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
 - Develop eligibility criteria for research articles to include in a USDA-funded systematic review exploring the association between forms of structural violence and nutrition-related outcomes in the U.S.
 - Analyze titles, abstracts, and manuscripts of potential research articles to include in systematic review
 - Aid drafting and editing systematic review, along with a team of six other researchers

Domestic professional experience

- Since November 2021 ● Culinary medicine instructor
University of Texas Southwestern Medical Center Dallas, TX (remote)
- Develop lesson plan for Spanish and English nutrition classes, respectively, with areas of focus including: learning objectives, dietary guidelines, evaluation measures, timeline, and a culinary activity
 - Conduct a 2-hour educational nutrition-focused culinary demonstration to about 10 patients per class
 - Draft educational handouts, and other resources, in Spanish and English; emphasizing medical nutrition therapy for patients living with type II diabetes, hypertension, and other nutrition-related chronic diseases
- From January 2020 to May 2022 ● Data analyst
Healthy Neighborhoods Project New Orleans, LA
- Interviewed households of randomly selected neighborhoods and electronically recorded data on demographics, health, social norms, and perceived/observed neighborhood blight
 - Analyzed primary survey data and an assortment of secondary data; analysis included but not limited to: frequency distributions, correlations, central tendencies, and multivariable logistic regression modeling
 - Geocoded surveyed households and spatially matched with secondary data; spatial analysis included but not limited to: distance matrices, kernel density, household buffers, and clustering.
- From November 2020 to November 2021 ● Data analyst and research assistant manager
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
- Hired and trained research assistants on how to construct recipes using NHANES data, update existing recipe database, and other research policies, procedures, and troubleshooting
 - Managed a team of 4-5 research assistants, designing recipes to calculate greenhouse gas emissions of meals eaten by respondents of NHANES
 - Served as a liaison between research assistants, research coordinators, and principal investigator, communicating on progress, difficulties, and needs of the research assistants
- From December 2019 to May 2020 ● Evidence coordinator
Kids Eat in Color College Park, MS (remote)
- Drafted research briefs for health practitioners on best practices to adequately feed children experiencing picky eating habits
 - Conceptualized, drafted, and edited a cognitive and behavioral theoretical framework focused on stages of picky eating among children and best phases to introduce new foods
- From November 2019 to May 2020 ● Data analyst
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA (remote)
- Designed and ran data analyses on the Special Supplemental Program for Women, Infants, and Children (WIC) and the California Health Interview Survey (CHIS) datasets; analyses included but not limited to: frequency distributions, binary analyses, and multivariable logistic regression modeling.
- From December 2018 to May 2019 ● Nutrition in maternal and child health trainee
Louisiana Department of Health, Bureau of Family Health (BFH) New Orleans, LA (hybrid)
- Conducted key informant interviews with Title V staff; compiled, and presented findings on framing nutrition's role in achieving health equity among infants in New Orleans
 - Co-designed an assessment to better measure nutrition guidelines integration into BFH programs
 - Drafted and presented recommendations for integrating nutrition guidelines into the next Title V State Action Plan
- From July 2018 to May 2019 ● Graduate assistant
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
- Planned and executed social and academic events with faculty and students in the Department of Epidemiology
 - Directed student-alumni mentorship program within Department of Epidemiology
- From October 2017 to May 2018 ● Research Assistant
Tulane University, School of Medicine New Orleans, LA
- Instructed Spanish-speaking outpatient adults on dietary tools used to control blood glucose levels (i.e., carbohydrate counting, food pairing, meal planning, MyPlate)
 - Counseled outpatient adults on setting specific and attainable goals to measure and compare at concurrent counseling sessions
- From August 2017 to May 2018 ● Graduate assistant
Tulane University, Office of Multicultural Affairs/Office of Gender and Sexual Diversity New Orleans, LA
- Advised on University's plan to eliminate food insecurity among undergraduate students, Title IX reporting, and undocumented student support
- From November 2015 to May 2017 ● Research assistant
Texas Christian University's Obesity Prevention Lab Fort Worth, TX
- Directed screening test for eligibility of research participants; coordinated and directed following visits
 - Managed indirect calorimetry metabolic cart functions (i.e., equilibration, methanol burns, troubleshooting)
 - Aliquoted, stored, and assayed blood sampled collected from research participants
 - Analyzed trends of fat metabolism from indirect calorimetry metabolic cart data

Leadership experience

- From August 2016 to May 2017 ● Founder and President
Food Recovery Network Texas Christian University
- Coordinate untouched food donations from campus dining facilities to local food banks, food pantries, and shelters

Supervised dietetic practice/internship - 1500 hours

- From February 2017 to May 2017 • Dietetic intern
Tarrant County Public Health Department Fort Worth, TX
- Updates and established points of aid distribution between the health department and local community organizations
 - Drafted educational resources for community organizations, including Blue Zones Project and Healthy Texas Women
- From March 2017 to April 2017 • Dietetic intern
The Special Supplemental Program for Women, Infants, and Children (WIC) Fort Worth, TX
- Collaborated with a team of interdisciplinary healthcare providers to perform clinical assessments of pediatric patients and their mothers
- From February 2017 to March 2017 • Dietetic intern
University of North Texas (UNT) Pediatric Clinic Fort Worth, TX
- Counseled parents of pediatric outpatients on patient's current dietary habits and set specific and attainable goals with parents to be measured at the next visit
- From January 2017 to February 2017 • Dietetic intern
Blue Zones Project Fort Worth, TX
- Facilitated a group of 15 clients to help develop their culinary skills and nutrition knowledge
 - Developed a lesson plan for a nutrition-focused grocery store tour, with areas of focus including: learning objectives, key health facts, evaluation measures, timeline summaries, activity details, and a bibliography
- From December 2016 to January 2017 • Dietetic intern
Fersenius Kidney Care Dallas, TX
- Counseled outpatients on diagnosis/es, dietary habits, and helped patients set specific and attainable goals to be assessed at the next consultation
 - Designed Spanish resources for Latin American patients living with chronic kidney disease
- From November 2016 to December 2016 • Dietetic intern
Stonegate Adult Living Center Fort Worth, TX
- Counseled new and returning assisted living residents on dietary habits and nutrition
 - Collected and analyzed lab data to help assess residents' progress, comparing it to previous data on file
 - Hosted educational and nutrition-focused Blue Zones certified cooking demonstrations to an audience of about 20-30 residents
- From November 2016 to December 2016 • Dietetic intern
John Peter Smith Hospital Fort Worth, TX
- Led classes along with other healthcare providers for Spanish-speaking patients on dietary tools/habits used to help control blood glucose levels. Areas of focus included MyPlate, physical activity/movement, and medication adherence
 - Helped patients set specific and attainable goals to be measured at the next class
- From August 2016 to December 2016 • Dietetic intern
Texas Harris Hospital - Southwest Fort Worth, TX
- Assessed, counseled, and educated patients on dietary tools used to control chronic diseases, such as diabetes, hypertension, hyperlipidemia, and open wounds
 - Calculated, prescribed, and ordered enteral nutrition support for critically ill patients who had not (or would not be) been able to tolerate food per mouth
 - Recommended and ordered nutrition supplements for inpatients not meeting energy needs
- From January 2016 to June 2016 • Dietetic intern
Plaza Medical Center of Fort Worth Fort Worth, TX
- Facilitated kitchen as needed: managed finances, recorded food inventory, drafted work schedules, coordinated staff, worked in food production and retail, and other miscellaneous tasks under the supervision of the food and nutrition services director
- From October 2015 to November 2015 • Dietetic intern
Birdville Independent School District Birdville, TX
- Designed breakfast and lunch menu items adhering to the National School Breakfast and Lunch program guidelines
- From October 2015 to December 2015 • Dietetic intern
Community Garden at Resource Connections Fort Worth, TX
- Constructed raised flower beds to ease gardening activities for elderly community members
 - Assembled irrigation system in flowerbeds, using a hose and centralized rain water source, to aid water conservation
- From January 2015 to December 2016 • Dietetic intern
Senior Assistant in Geriatric Education Fort Worth, TX
- Scheduled and conducted house-visits with other healthcare providers to provide holistic healthcare services to geriatric patients
 - Performed clinical assessments, focused on vitals, medication adherence, environmental hazards, mental health, and nutrition
- From October 2014 to May 2015 • Dietetic intern
Meals on Wheels of Tarrant County (Healthy Aging and Independent Living Program) Fort Worth, TX
- Counseled homebound patients on dietary habits and nutritional health
 - Conducted 15-30 follow-up calls to nutrition counseling per shift to homebound clients
- From September 2013 to December 2015 • Dietetic intern
Seed to Plate Fort Worth, TX
- Developed nutrition lesson plans for about 20 students, focusing on sustainable gardening, food choices, and nutritional health

Peer-reviewed research publications

Chaparro MP, **Lopez MA**, Hernandez J, Brewer JD, Santos MP, Paz-Soldan VA. [The association between the observed and perceived neighbourhood food environment and household food insecurity in a low-income district in Lima, Peru.](#) Journal of Nutritional Science. 2022;11. doi:10.1017/jns.2022.88

Willits-Smith A, **Lopez MA**, O'Malley K, Rose D. [Self-Selected Diets in the US Show a Reduction in Carbon Footprints Over Ten Years.](#) Current Developments in Nutrition. 2022;6(Supplement_1):83-83. doi:10.1093/cdn/nzac050.013

Brewer JD, Santos MP, **Lopez MA**, Paz-Soldan VA, Chaparro MP. [Use of Formal and Informal Food Resources by Food Insecure Families in Lima, Peru: A Mixed-Methods Analysis.](#) Journal of Community Health. 2021;46(6):1069-1077. doi:10.1007/s10900-021-00989-y

Rose D, Vance C, **Lopez MA**. [Livestock Industry Practices that Impact Sustainable Diets in the United States.](#) The International Journal of Sociology of Agriculture and Food. 2021;27(1). doi: 10.48416/ijisaf.v27i1.87

Santos MP, Brewer JD, **Lopez MA**, Paz-Soldan VA, Chaparro MP. [Determinants of food insecurity among households with children in Villa el Salvador, Lima, Peru: the role of gender and employment, a cross-sectional study.](#) BMC Public Health. 2022;22(1). doi:10.1186/s12889-022-12889-4

Chaparro MP, **Lopez MA**. [Food insecurity and food consumption among children who receive federal food assistance.](#) *Appetite*. 2022;178:106268. doi:10.1016/j.appet.2022.106268

Lopez MA, Fuster M, Fleckman J, George A, Chaparro MP. The Association between Language Use and Food Insecurity among Hispanics Residing in the U.S. Depends on Nativity. Journal of Public Health Nutrition, *under review*

Lopez MA, Fuster M, Fleckman J, George A, Chaparro MP. Trends in Food Insecurity among Spanish-speaking Hispanic Adults did not Change During and Following the Great Recession. Journal of the Academy of Nutrition and Dietetics, *under review*

Lopez MA, Fuster M, Fleckman J, George A, Chaparro MP. Community Nutritionists Serving Spanish-speaking Latino Adults in the U.S.: Perceptions and Cultural Barriers. Journal of Critical Dietetics, *in preparation*

Singleton C, **Lopez MA**, Miller C, . Violence and Nutrition: A Historical Synopsis of Associations and Recommendations to Advance Nutrition Equity Research. Not Available, *in preparation*

Lopez MA, Zhang Q, Zhang M, Jiang Y, He Y, Shi J, Peng H. A Longitudinal Association between Serum NT-proANP and Central Obesity: Findings from Gusu Cohort of Chinese Adults. Obesity, *in preparation*

Stevenson J, **Lopez MA**, Rivera D. An Analysis of Metabolic Feedback to High-Fat Meals of Assorted Fatty Acid Composition. Obesity, *in preparation*

Cross J, Rodriguez Perez L, McDermott C, Urbina A, **Lopez MA**, Theti Tina, Johnson P, Minesse C, Breckon N. The Efficacy of Diabetes Education in the Hispanic Population. Nutrition Education and Behavior, *in preparation*

Poster/Research presentations

Lopez MA, Fuster M, Fleckman J, George A, Chaparro MP. Community Nutritionists Serving Spanish-speaking Latino Adults in the U.S.: Perceptions and Cultural Barriers. Knowing Food, 2023: The Association for the Study of Food and The Agriculture, Food and Human Values Society; Boston, MA.

Lopez MA, Brewer JD, Santos MP, Paz-Soldan VA, Chaparro MP. [Food for thought: perceived food environment and its association with food insecurity in a low-income district in Lima, Peru.](#) Nutrition, 2020: American Society for Nutrition; virtual.

Lopez MA, Zhang Q, Zhang M, Jiang Y, He Y, Shi J, Peng H. A Longitudinal Association between Serum NT-Pro-ANP and Central Obesity: Findings from Gusu Cohort of Chinese Adults. Tulane University's Health Science Research Conference, 2019; New Orleans, LA. Minority Health International Training Grant Trainee Conference, 2018; New Orleans, LA.

Lopez MA, Rivera D, Stevenson J. An Analysis of Metabolic Feedback to High-Fat Meals of Assorted Fatty Acid Composition. 19th Texas National McNair Research Conference, 2017; Denton, TX. The TCU Ronald E. McNair Post-Baccalaureate Achievement Program, 2017; Fort Worth, TX. Maryland National Conference for Undergraduate Research, 2017; College Park, MD. Texas Academy of Nutrition and Dietetics Conference, 2017; Georgetown, TX.

Scholarships, fellowships, and grants

- Since August 2013 ● Bill and Melinda Gates Foundation's Millennium Scholars (GMS) Scholarship
The Bill and Melinda Gates Foundation Seattle, WA
The goal of the GMS program is to promote academic excellence and to provide an opportunity for outstanding minority students with significant financial need and to reach their greatest potential in higher education.
- Since June 2022 ● Tulane Program to Advance Representation in Minority Health Research (ARMHR) Training Grant
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
ARMHR is a 12-month research training program for PhD candidates. ARMHR scholars work with experienced faculty mentors on projects related to minority health and health disparities in the New Orleans area or in an international site.
- From March 2020 to May 2022 ● Sprinting to the Front Lines (Emergency COVID-19 Program Relief Fund)
Celia Weatherhead and the Weatherhead Foundation New Orleans, LA
A rapid funding mechanism for Tulane students to respond to the COVID-19 outbreak. Tulane students were invited to submit a proposal that would directly impact the health and wellbeing of the New Orleans community during the COVID-19 pandemic.
- From August 2019 to May 2021 ● Nutrition Leadership Training (NLT) in Maternal and Child Health Program
The Health Resources and Services Administration Rockville, MD
A leadership development program for students with dietetic backgrounds who are registered dietitians and who seek leadership skills in maternal and child health.
- From May 2019 to September 2019 ● Tulane Program to Advance Representation in Minority Health Research (ARMHR) Training Grant
Tulane University, School of Public Health and Tropical Medicine New Orleans, LA
The Tulane ARMHR program provides mentored international training experiences to graduate students from groups that are underrepresented in biomedical, behavioral, and social science research, including minority groups based on race/ethnicity, gender or sexual orientation, and socio-economic disparities.
- From May 2019 to September 2019 ● Minority Health and Health Disparities International Research Training (MHIRT) Grant
National Institute on Minority Health and Health Disparities Bethesda, MD
MHIRT provides training for qualified students in collaboration with overseas sites. Training is available in several research areas: cardiovascular diseases, tuberculosis, refugee health, and perinatal, maternal, and infant morbidity and mortality.
- From May 2016 to May 2017 ● The Science and Engineering Research Center (SERC) Undergraduate Research Grant
Texas Christian University, College of Science and Engineering Fort Worth, TX
SERC provides financial support for distinct research projects involving College of Science and Engineering undergraduate students and their faculty mentor.
- From May 2015 to May 2017 ● Ronald E. McNair Postbaccalaureate Achievement Program
U.S. Department of Education (Federal TRIO Program) Washington, D.C.
The purpose of the McNair Program is to increase the number of undergraduate students earning doctoral degrees who are low-income and first-generation, or who come from communities underrepresented in graduate education.

Invited Lectures

"It's a White Bread's World': The Unbearable Whiteness of the United States' Food and Nutrition Environment"
Tulane University, 2022/2023; SPHU 1010: Introduction to Public Health

"Death by English: Navigating An Anglo-centered Food and Nutrition Environment as a Linguistically Isolated Latino Adult Living in the U.S."
Latin American Graduate Organization, 2021

"Nutrition Facts: Understanding and Using Nutrition Facts and Labels"
Tulane University, 2020/2021: SPHU 2220: Concepts of Health and Wellness

"*Tipo de Asistencia Utilizada por Familias con Inseguridad Alimentaria en Lima, Peru*"
Tulane University, 2019: SALUD for Latin American Communities

"Hungry at the Banquet: building a Fair Food System for Everyone"
Tulane University, 2019: SPHU 3200: Nutrition and Chronic Disease

Computer skills

Statistical Analysis Software (SAS)

Expert

Spatial analysis software (ArcGIS Pro/QGIS)

Expert

Qualitative data analysis software (NVivo)

Expert

Electronic data capture software (REDCap)

Proficient

Statistics and data (STATA)

Proficient

Professional organizations

Academy of Nutrition and Dietetics

Member

New Orleans Dietetics Association

Member

Diversify Dietetics

Member

American Society of State Public Health

Nutritionists

Member

Languages

English

Fluent

Spanish

Fluent (native speaker)