

Amber Brown McFadden

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PROFESSIONAL SUMMARY

Highly skilled professional with experience in nutrition program research, clinical research, and software development. Possess expert knowledge of public health nutrition, food and nutrition programs, health promotion, and biomedical sciences. Adept at leading project tasks independently, indulging data analysis, and coordinating team activities. Demonstrated success in implementing technical projects, scientific writing, and innovative problem-solving. Eager to contribute to a dynamic team dedicated to advancing public health nutrition and promoting community wellness through innovative, data-driven solutions. Recognized for improving data quality, strengthening research workflows, and advancing innovative technology solutions across remote work environments.

CORE COMPETENCIES

Public Health Nutrition & Dietary Assessment

Public Health Nutrition ▪ Dietary Assessment & Nutrient Coding ▪ Data Analysis & Reporting ▪ Nutrition Program Evaluation ▪ Clinical Research Coordination

Federal Contract & Project Management

Federal Contract Support ▪ Project Management ▪ Stakeholder Collaboration ▪ Agile Software Development Support ▪ Remote Team Collaboration ▪ Digital Documentation ▪ Process Improvement

Data Analysis, Quality Control & Web-Based Systems

Data Collection & Quality Control ▪ Web-Based Data Systems

Multimedia Communication & Training Development

Multimedia Communication ▪ Training Material Development ▪ Scientific Writing & Presentations ▪ Technical Writing ▪ Meeting Facilitation

Telehealth Care & Behavior Change

Clinical Nutrition Counseling ▪ Telehealth Patient Care ▪ Motivational Interviewing ▪ Health Promotion & Behavior Change ▪ Remote Patient Monitoring

AI-Assisted Research, Writing & Data Analysis

AI-Assisted Writing & Editing ▪ Prompt Engineering ▪ AI-Assisted Research ▪ AI-Enhanced Data Analysis ▪ AI Tool Evaluation ▪ Responsible AI Use ▪ Human-in-the-Loop Review ▪ AI Output Quality Control ▪ AI-Driven Process Improvement ▪ AI-Generated Multimedia Content

CERTIFICATIONS & LICENSURE

Registered Dietitian Nutritionist (RDN) | Commission on Dietetic Registration | 2012 – Present

Licensed Dietitian | Texas | North Carolina | Florida

ClickUp Novice | 2024

Photography | Netcom | 2020

ADVANCED TECHNICAL SKILLS

Project Management: Microsoft Teams ▪ SharePoint ▪ MS Planner ▪ GitLab ▪ ClickUp ▪ MeisterTask ▪ HoneyBook

Data Collection: Blaise AMPM ▪ MS Access ▪ NDSR ▪ ASA24

Data Analysis: ▪ NVivo ▪ Survey Net ▪ Excel ▪ Bespoke proprietary systems

Productivity & Automation: Outlook ▪ PowerPoint ▪ Visio ▪ Word ▪ Copilot Generative AI ▪ Power Automate

Visual Arts & Multimedia: Adobe Creative Suite ▪ Adobe Captivate ▪ Affinity Photo ▪ Virtual Reality ▪ Generative AI Video

Telehealth Systems: Healthie Electronic Health Record ▪ Health Optimizer ▪ Five9

EDUCATION

Master of Public Health in Health Promotion & Behavioral Science

University of Texas School of Public Health | Houston, TX

Bachelor of Science in Foods and Nutrition

University of Houston | Houston, TX | Summa Cum Laude

Bachelor of Science in Zoology Biomedical Science

University of Oklahoma | Norman, OK | Honors

PROFESSIONAL EXPERIENCE

MYSTERY MARACUJA VISUAL ARTS

Director of Creative Intelligence | Frisco, TX

August 2000 – Present

- Enhanced client understanding of nutrition concepts by developing engaging communication materials and delivering evidence-based training that improved program participation and knowledge retention

- Strengthened data accuracy and usability for clients by consulting on digital dietary assessment tools, optimizing workflows, and advising on system enhancements that improved reporting efficiency
- Increased client satisfaction and repeat business by delivering high-quality photo restoration, portrait work, and merchandise imagery with fast turnaround and consistent artistic standards
- Elevated brand visibility for clients by designing polished print materials, promotional products, social media, and websites that strengthened marketing campaigns and improved audience engagement
- Boosted customer loyalty by designing bespoke accessories and garments that met individualized needs, resulting in repeat commissions and positive client referrals
- Spearheaded the planning and execution of bespoke events and interactive workshops, enhancing brand storytelling and creating memorable, high-value experiences for diverse client audiences

CECELIA HEALTH

Telehealth Registered Dietitian | Frisco, TX

January 2026 – Present

- Deliver high-volume telehealth counseling for 120+ members monthly, consistently meeting program quality metrics and improving patient engagement across diverse populations
- Provide hypertension, and cholesterol medication management and support for comorbidities related to obesity under the supervision of assigned physicians
- Engage in remote patient monitoring and interpretations of weight, bioelectrical impedance, blood glucose, blood pressure, ketones, and physical activity via various devices
- Enhanced medication adherence and safety by guiding patients through evidence-based titration protocols, reducing escalation-related issues and improving treatment continuity
- Quickly establish rapport and therapeutic alliances with a diverse patient population
- Enhanced patient outcomes by integrating motivational interviewing techniques that increased adherence to nutrition and medication protocols
- Complete all necessary documentation within one business day to facilitate collaboration with team physicians and external providers to ensure comprehensive care

WESTAT

Senior Research Associate | Frisco, Texas

December 2022 – August 2026

- Led critical components of multi-million-dollar federal nutrition research contracts, strengthening data quality and accelerating project timelines across multiple national studies
- Collaborated on study design, implementation, analysis, reports, and professional presentations of results
- Streamlined project workflows by designing and implementing new PM procedures, improving cross-team coordination and reducing scheduling bottlenecks
- Monitored project budget expenditures
- Planned and executed monthly team meetings with contracting officers and collaborators.
- Coordinated multi-team data collection and analyze food, menu, and dietary intake for multiple studies
- Led novel software development to analyze food logs for the United States Department of Agriculture's (USDA) 2nd National Food Acquisition and Purchase Study Field Test (FoodAPS-2)
- Supervised daily workloads and monitors time budgets of the nutrient coding team
- Contributed to capture planning and proposal development for federal contracts

Lead Research Associate | Frisco, Texas

December 2020 – December 2022

- Wrote comprehensive nutrition study methodology documents
- Collaborated on study implementation, analysis, reports, and presentations at the National Nutrient Databank Conference and the American Public Health Association conference
- Collaborated with multiple team members on planning, data collection, and analysis for Infant & Toddler Feeding Practices Study (ITFPS-2), Summer Food Service Program Study (SUMS), and FoodAPS-2
- Accelerated software development timelines by leading Agile-based design of new dietary data collection tools for USDA research programs
- Strengthened federal client relationships by delivering clear, actionable study progress communications and presenting findings at national conferences
- Produced high-quality multimedia training materials that reduced onboarding time for data collectors and coding teams across multiple national studies
- Improved dietary data accuracy and consistency by supervising up to eight coders and implementing enhanced quality control workflows across multiple federal studies

Research Associate | Oklahoma City, OK

May 2012 – December 2020

- Organized and deployed virtual dietary coding center procedures, coding conventions, and communication methods
- Supervised coding of 24-hour dietary recalls in Survey Net, conducted quality control reviews for dietary studies including the nine-year Infant & Toddler Feeding Practices Study (ITFPS-2) and Summer Food Service Program Study (SUMS)
- Updated probe database for the National Cancer Institute's Automated Self-Administered 24-Hour Recall dietary assessment tool to recent version of the Food and Nutrient Database for Dietary Studies (FNDDS)

- Authored, designed and published training video series for USDA's 2nd National Food Acquisition and Purchase Study Pilot (FoodAPS ADCM) study
- Evaluated food and nutrient databases and APIs suitable for FoodAPS ADCM food acquisition data collection via mobile app

THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH

Dietetic Intern | Houston, TX

January 2011 – May 2012

- Completed 1200 supervised practice hours in the areas of clinical dietetics, food service, school food service, and community nutrition concurrent with Master of Public Health coursework
- Completed Rotations: Spring Branch Women, Infants, and Children (WIC) Clinic; Ben Taub General Hospital Food and Nutrition Services; and Dickinson Independent School District Child Nutrition Department, Memorial Hermann Northwest Clinical Nutrition, and CAN DO Houston

Graduate Research Assistant | Houston, TX

July 2010 – December 2011

- Assisted with data collection for The Impact of the Nutrition Environment in the Fire Service on Health and Safety Research Study
- Developed data collection tools for field interviewers including the food habits questionnaire, portion size estimate tool, and pantry survey
- Completed nutrition assessments in the field using 24-hour dietary recalls
- Coded 24-hour dietary recalls using FIAS
- Evaluated the 2010 FIAS for functionality and accuracy
- Coordinated 36th National Nutrient Databank Conference by participating in the Local Arrangements Committee

Gusto Practicum Volunteer | Houston, TX

July 2010 – August 2010

- Completed needs assessment and focus groups to identify barriers to healthy lifestyle habits for the women living in the main residential facility at the Women's Home

UTMD ANDERSON CANCER CENTER, DEPT OF ENDOCRINE NEOPLASIA AND HORMONAL DISORDERS

Data Analyst | Houston, TX

December 2007 – July 2010

- Built and deployed electronic web-based forms and Access databases to collect and store protocol data.
- Coordinated patient recruitment, data collection, supplies, and reporting for diabetes clinical research studies.
- Revised and submitted amended protocols to Internal Review Board.
- Prepared data and posters for abstracts and presentations.

Administrative Assistant | Houston, TX

November 2005 – December 2007

- Selected relevant research articles for research protocols and manuscripts.
- Revised and edited scientific manuscripts.
- Monitored/balanced department budget activity on assigned accounts.
- Organized and submitted electronic NIH grant applications via Grants.gov.

AFFILIATIONS

- National Nutrient Database Conference Steering Committee | 2025
- American Public Health Association | 2022 – 2025
- Academy of Nutrition and Dietetics | 2007 – Present
- Texas Academy of Nutrition and Dietetics | 2009 – Present
- Oklahoma Academy of Nutrition and Dietetics | 2012-2016
- Wellness at Westat | 2019 – 2021

PUBLICATIONS

Utilization of multiple food and nutrient databases to code food logs in the FoodAPS-2 field test. Brown McFadden, A., Palmer Zimmerman, T., and Douglass, D. (2025) Journal of Food Composition and Analysis, Volume 145, <https://doi.org/10.1016/j.jfca.2025.107851>.

Development of the Purchase to Plate Crosswalk and Price Tool: Estimating prices for the National Health And Nutrition Examination Survey (NHANES) foods and measuring the healthfulness of retail food purchases. Carlson, A., Tornow, C., Page, E., **Brown McFadden, A.**, Palmer Zimmerman, T. (2022). Journal of Food Composition and Analysis, Volume 106, 104344. <https://doi.org/10.1016/j.jfca.2021.104344>.

“My fries were the size of an iPhone”: How portion size is reported in the Fuel 2 Fight Study. Brown, A., Douglass, D., Jahnke, S.A., Poston, W.S.C., Haddock, C.K., and Day, R.S. (2013). Procedia Food Science, 2, 129-133. doi: 10.1016/j.profoo.2013.04.020

TECHNICAL REPORTS

Developing the food description databases for FoodAPS-2 web collection to identify items in real time. Task 3 Report – Testing Recommended Alternate Databases (for Economic Research Service, U.S. Department of Agriculture). Zimmerman, T., Douglass, D., Heller, A.T., Gearing, M.E., **Brown McFadden, A.**, and May, L. (2018). Rockville, MD: Westat.

Developing the food description databases for FoodAPS-2 web collection to identify items in real time (for Economic Research Service, U.S. Department of Agriculture). Gearing, M.E., Douglass, D., **Brown, A.**, and Zimmerman, T. (2017). Rockville, MD: Westat.

PROFESSIONAL PRESENTATIONS

Bridging Distances: Optimizing Remote Project Coordination with Microsoft Teams. **Brown McFadden, A.** (2025, January). Westat Field Training Brown Bag. Rockville, Maryland.

Utilization of Multiple Food and Nutrient Databases to Code Food Logs in the FoodAPS-2 Field Test. **Brown McFadden, A.**, Douglass, D.; Zimmerman, T. (2024, May). 42nd National Nutrient Databank Conference, Ottawa, Canada. Available at: https://www.nutrientdataconf.org/files/ugd/0a50d8_9d31ca6d27564f87ad221348ffd4560e.pdf

USDA Summer Meals: The Nutritional Quality of Summer Lunches. Brown McFadden, A. (2022, November). American Public Health Association's APHA 2022 Annual Meeting and Expo, Boston, Massachusetts.

Approaches to building and maintaining a virtual dietary coding team. **Brown, A.**, Douglass, D., and Zimmerman, T. (2019, April). Texas Academy Annual Conference and Exhibition, Arlington, Texas.

The Food Study app and website: Self-administered reporting for USDA's National Food Study Pilot. **Brown, A.**, Heller, A.T., Malola, M.G., Pathak, A., Reifer, A., Yan, T., Maitland, A., Crofts, C., Davis, B.A., Garner, D.C., Bonilla, E., Genoversa-Wong, K., Choi, J., De Rienzo, G., and Machado, J. (2017, April). FedCASIC, Suitland, MD.

Lessons learned from training field staff to perform multiple data collection roles for the National Household Food Acquisition and Purchase Survey Alternative Data Collection Method Study. **Brown, A.**, Bonilla, E., Genoversa-Wong, K., Choi, J., De Rienzo, G., Machado, J., May, L., and Kirlin, J. (2017, April). FedCASIC, Suitland, MD.

Nutrition strategies for a healthy weight. **Brown, A.** (2017, March). Westat Fitness Center, Rockville, MD. Available at: <https://prezi.com/itoduvx2b6en/nutrition-strategies-for-a-healthy-weight/>.

Tailoring dietary coding procedures for intakes of children 12-24 months old in the Infant and Toddler Feeding Practices Study (ITFPS-2). Douglass, D., **Brown, A.**, Zimmerman, T., McNutt, S., and Magness, A. (2016, May). 39th National Nutrient Databank Conference, Alexandria, VA. Available at: https://www.nutrientdataconf.org/PastConf/NDBC39/Program_Guide.pdf.

Utilizing Microsoft SharePoint to support coding dietary intakes. **Brown, A.**, Douglass, D., Zimmerman, T., and McNutt, S. (2016, May). 39th National Nutrient Databank Conference, Alexandria, VA. Available at: https://www.nutrientdataconf.org/PastConf/NDBC39/Program_Guide.pdf.

Winning the low sugar challenge. **Brown, A.** (2016, May). Westat Fitness Center, Rockville, MD. Available at: https://prezi.com/ehwclcbstrfbt/winning-the-low-sugar-challenge/?utm_campaign=share&utm_medium=copy.

Your holiday nutrition strategy. **Brown, A.**, Douglass, D., Zimmerman, T., and McNutt, S. (2015, November). Westat Fitness Center, Rockville, MD. Available at: <https://prezi.com/yh-vedkqpiit/how-to-meet-your-nutrition-goals/>.

Overcoming nutrition roadblocks. **Brown, A.**, Douglass, D., Zimmerman, T., and McNutt, S. (2015, May).). Westat Healthy Steps Program Meeting, Rockville, MD. Available at: <https://prezi.com/yh-vedkqpiit/how-to-meet-your-nutrition-goals/>.

Public health nutrition research and childhood obesity. **Brown, A.** (2015, April). Social and Behavioral Science in Public Health at the University of Oklahoma School of Public Health, Oklahoma City, OK.

Microsoft tools enhance training and management of off-site dietary coders. Brown, A., Douglass, D., Zimmerman, T., and McNutt, S. (2015, March). FedCASIC Workshops, Suitland, MD.

Public health nutrition research and childhood obesity. Brown, A. (2014, November). Social and Behavioral Science in Public Health at the University of Oklahoma School of Public Health, Oklahoma City, OK.

AMPM interview methodology for infants in the Infant and Toddler Feeding Practices Study (ITFPS-2). Douglass, D., Brown, A., Zimmerman, T., Owens, T., and McNutt, S. (2014, May). 38th National Nutrient Databank Conference, Portland, OR. Available at:
https://www.nutrientdataconf.org/PastConf/NDBC38/NNDC38_PosterAbstracts.pdf.

Dietary coding methods for infants in the Infant and Toddler Feeding Practices Study (ITFPS-2). Brown, A., Douglass, D., Zimmerman, T., Harrison, G., Owens, T., and McNutt, S. (2014, May). 38th National Nutrient Databank Conference, Portland, OR. Available at:
https://www.nutrientdataconf.org/PastConf/NDBC38/NNDC38_PosterAbstracts.pdf.

Common alternatives for portion size. Day, R.S., Owens, A., Douglass, D.L., Poston, W.S.C., Haddock, C.K., and Jahnke, S.A (2011, April). 35th National Nutrient Databank Conference, Bethesda, MD.

Hyperglycemia, hypertriglyceridemia, and hypercholesterolemia in a phase I trial of the combination of an mTOR inhibitor and IGF-1 receptor inhibitor. Busaidy, N., Kurzrock, R., LoRusso, P., Owens, A., Chen, H.X., Doyle, L., Zhang, J., Lawhorn, K., Chandhasin, C., and Naing, A. (2010, June). American Society of Clinical Oncology Annual Meeting, Chicago, IL.

Increased insulin requirements in patients with diabetes receiving hyper-CVAD. Brady, V., Crawford, K., Levesque, C., Owens, A., Lavis, V., and Busaidy, N.L. (2009, April). M.D. Anderson Division of Internal Medicine Research Retreat, Houston, TX.

Glycemic management of hospitalized patients receiving tube feeding in a cancer center. Crawford, K., Levesque, C., Brady, V., Owens, A., Busaidy, N.L., and Lavis, V. (2009, April). M.D. Anderson Division of Internal Medicine Research Retreat, Houston, TX.

Depression screening in patients with diabetes and cancer. Levesque, C., and Owens, A. (2009, April). M.D. Anderson Division of Internal Medicine Research Retreat, Houston, TX.

The relationship of C-peptide levels after partial pancreatectomy with subsequent insulin. Levesque, C., and Owens, A. (2009, April). M.D. Anderson Division of Internal Medicine Research Retreat, Houston, TX.

Increased insulin requirements in patients with diabetes receiving hyper-CVAD. Brady, V., Crawford, K., Levesque, C., Owens, A., Busaidy, N.L., and Lavis, V. (2008, August). American Association of Diabetes Educators National Meeting, Washington, DC.

Glycemic management of hospitalized patients receiving tube feeding in a cancer center. Crawford, K., Levesque, C., Brady, V., Owens, A., Busaidy, N.L., and Lavis, V. (2008, June). Multinational Association of Supportive Cancer Care/International Society of Oral Oncology Symposium, Houston, TX.