



Exponent[®]
Engineering & Scientific Consulting

Maribeth Anderson, M.S.

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Professional Profile

Ms. Anderson has extensive experience providing scientific and regulatory consulting to the food industry, with a focus on dietary exposure assessments in support of pre-market approvals for food ingredients. She evaluates food consumption data, particularly the National Health and Nutrition Examination Survey (NHANES), to assess nutrient intake and dietary exposure to food ingredients and contaminants across diverse populations. Ms. Anderson supports the development of regulatory submissions such as Generally Recognized as Safe (GRAS) notifications, Food Additive Petitions, and Color Additive Petitions and has also worked on submissions to international regulatory authorities, including Health Canada, EFSA, and JECFA.

Prior to joining Exponent, Maribeth worked as a researcher at an academic-based community cancer center. She also has experience working at a nutrition technology company, reviewing and expanding their food and ingredient databases.

Academic Credentials & Professional Honors

M.S., Nutrition Education, American University, 2021

B.S., Biology, St. Mary's College of Maryland, 2018

Prior Experience

Research Assistant, University of Maryland Baltimore Washington Medical Center, 2019-2021

Nutrition Analyst, Heali, 2020

Publications

Tran, N. L., Anderson, M. M., & Jack, M. M. (2026). ["An updated U.S. population dietary exposure assessment for 4-methylimidazole \(4-MEI\) from foods containing colour and from formation of 4-MEI through thermal treatment of foods,"](#) Food additives & contaminants: Part A, Chemistry, analysis, control, exposure & risk assessment, 1–11. Advance online publication.

Tran, N. L., Anderson, M. M., & Jack, M. M. (2025). ["Tiered intake assessment for propylene glycol in beverages,"](#) Food additives & contaminants. Part A, Chemistry, analysis, control, exposure & risk assessment, 42(3), 317–325.

Murphy, M. M., Anderson, M. M., & Bi, X. (2024). ["Consumption of beef sandwiches in the United States and contributions to intake of energy and select nutrients,"](#) Frontiers in nutrition, 11, 1355490.

Cooper, L. E., Morant, L., Anderson, M., Bedra, M., & Boutros, C. N. (2023). "[Analysis of 10 years of open, laparoscopic, and robotic rectal surgeries in the community setting](#)," Surgery open science, 16, 165–170.

Presentations

Anderson M. Role of robotic rectal surgery in a community cancer center: An analysis of 10 years of open, laparoscopic, and robotic surgeries. PowerPoint presentation, American College of Surgeons Quality and Safety Conference, 2021.