Katie Kavanagh, PhD, RDN, LDN, CLC

Associate Professor, Public Health Nutrition

Department Director of Graduate Studies

Department of Nutrition, The University of Tennessee 1215 Cumberland Avenue, Knoxville, Tennessee 37996-1920 Phone: 865-974-6250, FAX: 865-974-3491; Email: kkavanag@utk.edu;

ORCID: 0000-0001-5335-2016

Education

2021 2006 2001 2001 1992	Certified Lactation Counselor (CLC); Academy of Lactation Policy and Practice PhD, Nutritional Biology (Minor: Epi/Stats), University of California, Davis MS, Nutrition Science, The University of Tennessee, Knoxville Dietetic Internship, The University of Tennessee, Knoxville BFA, The University of Tennessee, Knoxville Honors			
2012	Knoxville District Dietetic Association, Outstanding Dietetics Educator			
2012	Tennessee Academy of Nutrition and Dietetics, Outstanding Dietetics Educator			
2012	Academy of Nutrition and Dietetics, Outstanding Dietetics Educator			
2006	American Society for Nutrition, Public Health Nutrition RIS Graduate Student Travel Award			
2004	Jastro-Shields Graduate Research Scholarship, University of California, Davis			
2002	ECOLAB Scholarship, ADA Foundation			
2001	Nutrition Block Grant Fellowship, University of California, Davis			

Grants under Review (Extramural)

NA

Grants in Process (Extramural)

2023-2028 DHHS-HRSA's Maternal and Child Health Bureau *Leadership Education in Maternal and Child Health Nutrition Award* (HRSA-T7909805) \$1,124,414. Spence M (PI), Barroso C, Colby S, Kavanagh K, Raynor H, Russomanno J, Webster E, Yoo, J. (Co-PIs)

Grants Completed (Extramural)

2010-2014 USDA, AFRI, NIFA Human Nutrition and Obesity Award

Three-phased project for reducing modification to bottles of prepared infant formula: Bottle
content analysis, development of consumer-tested messages, and RCT to assess impact
\$991,643 (\$782,731 direct)/Role: PI

2007-2008 USDA, ERS, Southern Rural Development Center RIDGE Research Award Prevalence of accurately reconstituted infant formula in the WIC population and in the non-WIC-eligible population: Exploring maternal associations with infant anthropometry \$35,000 (\$31,818 direct)/Role: PI

Total Extramural Funds Awarded as PI: \$1,026,643 (\$814,549 direct)

Grants under Review (Intramural)

NA

Grants in Process (Intramural)

2023-2024 The University of Tennessee, Colleges of Education, Health, and Human Sciences and the Division of Diversity and Engagement's Strengthening Families, Strengthening Partnerships Seed Grant.

> Knowledge, Awareness, and Receptivity of African American Mothers to Community Doula Services in East Tennessee

\$10,000/Role: PI (C. Barroso, Co-PI; T. Abayomi, Co-PI and mentored student)

2021-2022 The University of Tennessee, Division of Diversity and Engagement, Community Engagement Academy Research Award.

Start Healthy. Stay Healthy.

\$1,000/Role: Mentor to PI, Doctoral Candidate Temitayo Abayomi

Grants Completed (Intramural)

2021-2023 The University of Tennessee, Graduate School Student Faculty Research Award,

In-home pasteurization training for those providing informally-procured breastmilk to their young infants: A feasibility trial

\$4,950/Role: Mentor to PI, Doctoral Candidate Rebecca Zuchowski

2018-2019 The University of Tennessee, Office of Undergraduate Research, Student Research Scholarship

> Baseline Breastfeeding Knowledge of Undergraduates in an Entry-level Health Related University Course

\$2,400/Role: PI

2017-2018 The University of Tennessee, Office of Undergraduate Research, Student Research

Scholarship

Infant spit-up validation survey

\$2000/Role: PI

2015-2017 The University of Tennessee, SARIF Summer Graduate Research Assistantship

Developmental evaluation of a web-based intervention to promote pumping and

breastfeeding in a neonatal intensive care unit (NICU) setting

\$3600/Role: PI (Awardee: K. Bower, PhD Candidate)

2014-2015 The University of Tennessee, Professional Development Award

Facilitators and barriers to providing mother's own milk to very-low-birth-weight (VLBW)

infants: In-depth interviews with mothers with infants in the NICU setting

\$4600/Role: PI

2011-2015 The University of Tennessee, Professional Development Award

> Is remote lactation consultation, via videoconferencing, acceptable to new mothers, their *significant others, and targeted healthcare providers?*

\$2700/Role: PI

2010-2012 The University of Tennessee - Department of Nutrition, Office of the Dean, and the Office of

Research (SARIF Award)

Current and future parents' knowledge and attitudes towards breastfeeding: A survey of university students and new mothers in Chengdu, Sichuan Province, China and in East Tennessee; \$18,000/Role: PI

2009-2010 The University of Tennessee Obesity Research Center

Impact of a planned environmental change on the fruit and vegetable choices and consumption among kindergarteners

\$8000/Role: Co-PI (M. Spence as PI)

2008-2011 The University of Tennessee-Office of the Dean, Department of Nutrition, and The Center

for Public Health Birth Night Event \$900/Role: PI

2006-2010 The University of Tennessee, Professional Development Award

Developing nutrition education messages for the East Tennessee WIC population – Maternal attitudes, knowledge and practices of infant-feeding from birth to 6 months

\$5000/Role: PI

Total Intramural Funds Awarded as PI: \$49,200

Grants Submitted (Unfunded)

2022-2024 USDA, NIFA, AFRI Education and Workforce Development Predoctoral Fellowship Program

Relationship between infant-led bottle-feeding education, infant intake, and weight gain trajectory from 2 to 4 months of age: an RCT

\$183,600 (\$183,000 direct)/role: Mentor to PD (E. Wojtowicz)

2022-2026 USDA, NIFA, Food & Agricultural Sciences National Needs Graduate & Postgraduate Fellowship

Increasing Efficient Application: Supporting Doctoral Trainees Pursuing Implementation Science in Community Nutrition (IEA-ISCN Program)

\$238,500 (direct)/Role: PD

2021-2022 Office of Research & External Funding Seed/Pilot Project Award

Development and evaluation of a tool to assist caregivers to accurately estimate volume of regurgitate among healthy, term infants.

\$6049.00/Role: PI

2021-2024 USDA, NIFA, AFRI Competitive Grants Program. Food Safety, Nutrition, and Health: Food & Human Health

Shared breastmilk: Home-pasteurization & the microbiome

\$355,308 (\$250,829 direct)/Role: PI

2021-2024 Allen Foundation

Home-pasteurization of informally obtained breastmilk: Randomized, waitlist-control study to evaluate impact on behavior, pathogen presence, and infant illness \$215,522 (\$179,602 direct)/Role: PI

2020-2022 Allen Foundation

Characterizing the usage of wichealth.org in Tennessee WIC \$189,600.00 (\$158.000 direct)/Role: Co-PI (C. Barroso as PI)

2019-2021 Robert Wood Johnson Foundation

The Tennessee WIC Telehealth Program

\$436,771 (\$401,709 direct)/Role: Co-PI (C. Barroso as PI)

2019-2021 The Gerber Foundation

Maternal experiences with medical intervention for tongue-tie and/or other tethered oral tissues, and with subsequent infant-feeding

\$276,380 (\$220,935 direct)/Role: PI

2019-2024 NSF for Electrical Engineering & Computer Science

Center for Societal Human-Alike Learning (SHAL)

Role: Secondary Investigator

2018-2020 Allen Foundation

Improving understanding of a powerful trigger for overfeeding: Assessing maternal ability to accurately categorize regurgitation volume among normal, healthy, term infants \$153,324 (\$127,770 direct)/Role: PI

2017-2019 The Gerber Foundation

Development of a novel visual tool to assess accuracy of estimation and level of concern with amount of infant-spit up among mothers of normal, healthy, term infants \$170,000 (\$154,000 direct)/Role: PI

2015-2016 Little Giraffe Foundation - 2015 Neonatal Research Initiative

A pilot randomized control trial (RCT) of PumpMed: A web-based intervention designed to promote pumping and breastfeeding in a neonatal intensive care unit (NICU) \$9,936/Role: Mentor to PI (K. Bower)

2014-2015 Allen Foundation

BreastFriends: A qualitative analysis of the experiences of mothers participating in a WIC-based, by-invitation-only, online, peer-to-peer breastfeeding support group \$76,075 (\$63,396 direct)/Role: PI

2014-2015 USDA, NIFA Pre-doctoral Fellowship Program

Development, implementation and evaluation of a pilot intervention to promote breastmilk expression in a NICU setting using a mixed-methods approach \$79,000 (\$79,000 direct)/Role: Mentor to PI (K. Bower)

2014-2015 USDA, IRP RIDGE, Center for National Research, Institute for Research on Poverty

BreastFriends: A qualitative analysis of the experiences of mothers participating in a WIC-based, by-invitation-only, online, peer-to-peer breastfeeding support group \$39,997 (\$34,844 direct)/Role: PI

2012-2014 US-DHSS, Agency for Healthcare Research and Quality

Using video-conferencing for breastfeeding consultation in a semi-controlled environment: Determining accuracy of diagnosis and acceptability among mothers \$293,292 (\$196,840 direct)/Role: PI

2011-2016 USDA, AFRI, NIFA

MyPyramid education curriculum and signage system: An integrated project to prevent childhood obesity in early childhood

\$3,070,579 (\$2,395,147 direct)/Role: Investigator (M. Spence as PI)

2011-2016 USDA, AFRI, NIFA Human Nutrition and Obesity

Combating childhood obesity: Training the next generation of transdisciplinary Public Health Nutrition Professionals

\$3,162,558 (\$2,466,894 direct)/Role: Co-PI (H. Raynor as PI)

2011-2013 Kentucky Youth Advocates

A qualitative examination of childhood hunger in four southern Appalachian states \$172,182 (\$141,915 direct)/Role: Co-PI (M. Spence as PI)

2010-2011 US-DHSS, CDC

Increasing access to breastfeeding experts: Feasibility study to determine accuracy of diagnosis

\$113,267 (\$76,532 direct)/Role: PI

2010-2011 American Diabetes Association

Breastfeeding, parental feeding style, and self-regulation capabilities in female preschoolage

\$229,993 (\$199,994 direct)/Role: Co-PI (H. Raynor as PI)

2009-2012 US-DHHS, HRSA, MCHB

Effect of adding infant cereal to bottles of prepared infant formula on calorie intake & rate of infant weight gain: Prospective trial in convenience sample of 2-4 month-olds \$298,315 (\$202,936 direct)/Role: PI

2009-2011 Blue Cross Blue Shield of Tennessee

The impact of breastfeeding in infancy on preschool-aged children's ability to self-regulate \$171,103 (\$171,103 direct)/Role: Investigator (H. Raynor as PI)

2008-2011 US-DHHS, HRSA, MCHB

Randomized trial to modify calorie intake among "Happy Spitters": Behavioral modification designed to reduce addition of cereal in the bottle in infants with non-medically complicated infantile reflux

\$299,999 (\$204,081 direct)/Role: PI

2007-2008 USDA, ERS Small Grants Program

Prevalence of accurately reconstituted infant formula in the WIC population and in the non-WIC-eligible population: Exploring maternal knowledge, attitudes, and practices of infant formula preparation and associations with infant anthropometry

\$30,000 (\$27,273 direct)/Role: PI

Total Extramural Funds Requested (Unfunded) as PI: \$2,360,679 (\$1,534,957 direct cost)

Peer-Reviewed Publications

Winkel T,[†] Wilson J, Spence M, Colby S, Springer C, Hedrick M, & **Kavanagh K**. Tethered oral tissue release among breastfed infants: Maternal sources of information and treatment. *J Hum Lact.* **2023**:39(3). doi.org/10.1177/08903344231159378

Grier-Welch A, Marquis J, Spence M, **Kavanagh K**, & Anderson Steeves ET. Food acquisition behaviors and perceptions of food pantry use among food pantry clients in rural Appalachia. *Ecol Food Nutr.* **2021**;1-20. doi:10.1080/03670244.2020.1793138

†Student

McElrone M, Colby S, Franzen-Castle L, Olfert MD, Kattelmann KK, Fouts HN, Spence M, **Kavanagh K**, White AA. A community-based cultural adaptation process: Developing a relevant cooking curriculum to address food security for Burundian and Congolese refugee families. *Health Promot Pract.* **2020**. doi:10.1177/1524839920922496

McElrone M, Colby S, Fouts HN, Spence M, **Kavanagh K**, Franzen-Castle L, Olfert MD, Kattleman KK, White AA. Feasibility and acceptability of implementing a culturally adapted cooking curriculum for Burundian and Congolese refugee families. *Ecol Food Nutr.* **2020**. doi:10.1080/03670244.2020.1759575

Sowers MF, Colby S, **Kavanagh K**, & Zhou W. Testing product, pricing, and promotional strategies for vending machine interventions with a college population. *J Food Bus Res.* **2019**:22(4);303-325. doi:10.1080/15378020.2019.1592653

McElrone M, Colby SE, Moret L, **Kavanagh K**, Spence M, Fouts HN, Ellington A, Payne M. Barriers and facilitators to food security among adult Burundian and Congolese refugee females resettled in the US. *Ecol Food Nutr.* **2019**:58;247-264. doi:10.1080/03670244.2019.1598981

Colby S, Sparks A, Thompson D, Overstreet B, Monroe C, Appelo S, Hansen-Petrik M, **Kavanagh K**. Low protein intake among college males is associated with increased BMI. *Top Clin Nutr.* **2018**:33;219-226.

Sowers MF, Colby S, Zhou W, Odoi A, Anderson Steeves E, **Kavanagh K**. Frequency of vending machine usage as a predictor of weight status among college students. *Int J Nutr Food Sci.* **2018**:7;39-46. doi: 10.11648/j.ijnfs.20180702.11

Habibi M,[†] Springer C, Spence M, Hansen-Petrik M, **Kavanagh K**. The use of videoconferencing for lactation consultation: An online cross-sectional survey of mothers in the United States. *J Hum Lact*. **2018**:34;313-321.

Ellison RG,[†] Greer BP, Burney JL, Goodell LS, Bower KB,[†] Nicklas JC, Lou Z, **Kavanagh K**. Observations and conversations: Home-preparation of infant formula among a sample of low-income mothers in the Southeastern U.S. *JNEB*. **2017**:49;579-587. DOI: <u>10.1016/j.jneb.2017.04.027</u>

Bower KB,^{†#} Burnette T, Lewis D,[†] Wright C,[†] **Kavanagh KF**. "I had one job and that was to make milk": Mothers' experiences expressing breast milk for their very-low-birth-weight (VLBW) infants. *J Hum Lact*. **2017**:33;188-194. DOI: 10.1177/0890334416679382

Lessen R & **Kavanagh KF**. Position of the Academy of Nutrition and Dietetics: Promoting and Supporting Breastfeeding. *J Acad Nutr Diet.* **2015**;115.3:444-449. DOI: 10.1016/j.jand.2014.12.014

Lessen R & **Kavanagh KF**. Practice Paper of the Academy of Nutrition and Dietetics: Promoting and Supporting Breastfeeding. *J Acad Nutr Diet.* **2015**;115.3:450-460.

Lou Z,[†] Zeng G, Huang L, Wang Y, Zhou L, **Kavanagh KF**. Independent study module for lactation consultants: Maternal reported indicators and causes of insufficient milk supply. *J Hum Lact.* **2014**;30:511-512.

Lou Z,[†] Zeng G, Huang L, Wang Y, Zhou L, **Kavanagh KF**. Maternal reported indicators and causes of perceived insufficient milk supply. *J Hum Lact.* **2014**;30:466-473. DOI: 10.1177/0890334414542685

Lou Z,[†] Zeng G, Orme J, Huang L, Liu F, Pang X, **Kavanagh KF**. Breastfeeding knowledge, attitudes, and intention in a sample of Chinese undergraduate students. *J Hum Lact.* **2014**;30:331-339.

[†]Student; #Student paper awarded 2nd annual Miriam Labbok New Investigator Award (2018) from Journal of Human Lactation

Waller JH,[†] Bower KM,[†] Spence M, **Kavanagh KF**. Using Grounded Theory Methodology to conceptualize the mother-infant communication dynamic: Potential application to compliance with infant-feeding recommendations. *Mat Child Nutr.* DOI: 10.1111/mcn.12056

Kavanagh KF, Lou Z,[†] Nicklas JC, Habibi MF,[†] Murphy LT. Breastfeeding knowledge, attitudes, prior exposure, and intent among undergraduate students. *J Hum Lact.* **2012**;28:556-564.

Kavanagh KF, Joyce SF,[†] Nolte J,[†] Morgan LG,[†] Lou Z,[†] Nicklas JC. Knowledge of the birth process among undergraduates: Impact of screening of a documentary featuring natural childbirth in low-risk pregnancies. *Int J Childbirth*. 2012;2:20-29.

Habibi MF,[†] Nicklas JC, Spence M, Hedberg S, Magnuson E, **Kavanagh KF**. Remote lactation consultation: A qualitative study of maternal response to experience and recommendations for survey development. *J Hum Lact.* **2012**;28:212-218.

Kavanagh KF, Habibi M,[†] Anderson K,[†] Spence MS. Caregiver-versus infant-oriented feeding: A model of infant-feeding strategies among WIC participants in rural East Tennessee. *J Am Diet Assoc.* **2010**;110:1485-1491.

Anderson KE,[†] Nicklas JC,[†] Spence M, **Kavanagh K**. Roles, perceptions, and control of infant feeding among low-income fathers. *Public Health Nutr.* **2010**;13:522-530.

Whelan J, Jahns L, **Kavanagh-Prochaska**, **K**. DHA: Measurements in food and dietary exposure. *Prostaglandins Leukot Essent Fatty Acids*. **2009**;81:131-136.

Kavanagh KF, Cohen RJ, Heinig MJ, Dewey KG. Educational intervention to modify bottle-feeding behaviors among formula feeding mothers in the WIC program: Impact on infant formula intake, and weight gain. *J Nutr Educ Behav.* **2008**;40:244-250.

Heinig MJ, Follett JR, Ishii KD, **Kavanagh-Prochaska K**, Cohen R, Panchula J. Barriers to compliance with infant feeding recommendations among low-income women. *J Hum Lact.* **2006**;22:27-38.

Manuscripts under Peer-Review

None at present

Manuscripts in-preparation

Winkel T,[†] Wilson J, Spence M, Colby S, Springer C, Hedrick M, & **Kavanagh K**. Surgical vs. Non-surgical Intervention for "Tongue-Tie": Impact on Maternal Pain. Target Journal: *Maternal and Child Nutrition*.

Zuchowski R[†] & **Kavanagh K**. Exploring a powerful trigger for overfeeding: Are mothers able to accurately assess spit-up volume among their normal, healthy, term infants? Target journal: *Journal of Nutrition Education and Behavior*.

Ellington A,[†] Murphy L, **Kavanagh K**. Are we turning a corner? African-American undergraduates, and those pursuing health-related majors, report more positive breastfeeding attitudes than their peers. Results of a cross-sectional survey conducted at a large university in the Southeastern U.S. Target journal: *Journal of Nutrition Education and Behavior*.

Zuchowski R[†] & **Kavanagh KF**. Development and validation of an online survey about awareness and use of informally shared human milk. Target journal: *Journal of Human Lactation*.

†Student

Abstracts Presented at Professional Meetings (Refereed on Basis of Abstract)

Holloway E, † Sapp C, Barroso C, **Kavanagh K**, D'Souza D, Colby S. Secondary analysis of the change in risk for food and nutrition insecurity in U.S. households with infants and children due to the onset of the COVID-19 pandemic. *University of Tennessee, Knoxville Graduate Student Research Colloquium*. March **2023**.

Zuchowski R[†] & **Kavanagh KF**. Development and validation of an online survey about awareness and use of informal donor milk. *American Public Health Association Annual Meeting*. Boston, Massachusetts, **2022**. (Poster)

Wojtowicz E[†] & **Kavanagh KF**. The Secret Life of Breasts: Lactation & Society – Lessons learned when offering an inaugural course in the midst of COVID-19. *Association of State Public Health Nutritionists*. June **2021** Virtual Meeting

Winkel T, † Wilson J, Spence M, Colby S, Springer C, Hedrick M, & **Kavanagh K**. Surgical intervention for "tongue-tie": Is maternal pain recall affected by time since intervention? *Association of State Public Health Nutritionists*. June **2021** Virtual Meeting

Winkel T,[†] Wilson J, Spence M, Colby S, Springer C, Hedrick M, & **Kavanagh K**. Tethered oral tissue release among breastfed infants: Maternal experiences. *American Society for Nutrition*. June **2021** Virtual Meeting (Poster)

Brown M, Colby S, **Kavanagh K**, & Spence M. Associations between diet quality and intentions to lose weight in an adolescent sample. *Association of State Public Health Nutritionists*. June **2020** Virtual Meeting. Retrieved from https://asphn.org/wp-content/uploads/2020/06/Poster-Morganne-Brown.pdf

Klenzman R,[†] Colby S, Spence M, Springer C, & **Kavanagh K**. Postpartum anxiety, breastfeeding self-efficacy & breastfeeding exclusivity among mothers of infants at least 3 months of age. *Association of State Public Health Nutritionists*. June **2020** Virtual Meeting. Retrieved from https://asphn.org/wp-content/uploads/2020/06/Poster-Rachel-Klenzman.pdf

Wojtowicz E,^{†*}Anderson Steeves E, **Kavanagh K**, Spence M. Is it time to apply Baby Friendly Hospital Initiative approaches in the primary care setting? *Association of State Public Health Nutritionists*. June **2020**. Virtual Meeting. Retrieved from https://asphn.org/wpcontent/uploads/2020/06/Poster-Emily-Wojtowicz.pdf

Klenzman R,[†] Spence M, Colby S, Springer C, **Kavanagh K**. Postpartum anxiety, breastfeeding self-efficacy & breastfeeding outcomes. *Cur Dev Nutr.* **2020**;4:1020-1020. doi:10.1093/cdn/nzaa054_092

Ellington A,[†] Murphy L, **Kavanagh K**. Are we turning a corner? African-American undergraduates, and those pursuing health-related majors, report more positive breastfeeding attitudes than their peers. Results of a cross-sectional survey conducted at a large university in the Southeastern U.S. *American Public Health Association Annual Meeting*. Philadelphia, Pennsylvania. **2019**. (Poster)

McElrone M, Colby S, Fouts H, Spence M, **Kavanagh K**, Franzen-Castle L, Olfert M, Kattelman K, White A. Feasibility and acceptability of implementing a culturally adapted cooking curriculum for Burundian and Congolese refugee families. *American Public Health Association Annual Meeting*. Philadelphia, Pennsylvania. **2019**. (Poster)

Wright C,[†] Baig K, Spence M, Colby S, Ehrlich S, Zuchowski R,[†] **Kavanagh K**. Using phenomenological methods to describe maternal perceptions of positive worksite breastfeeding support experience across industries. *American Public Health Association Annual Meeting*. San Diego, California. **2018**. (Poster)

[†]Student

Zuchowski R[†] & **Kavanagh K**. Exploring a powerful trigger for overfeeding: Are mothers able to accurately assess spit-up volume among their normal, healthy, term infants? *American Public Health Association Annual Meeting*. San Diego, California. **2018**. (Poster)

McElrone M, Colby S, Ellington A, Payne M, Moret L, **Kavanagh K**, Spence M, Fouts H. Barriers and facilitators to food security among adult Burundian and Congolese refugee females resettled in the U.S. *American Public Health Association Annual Meeting*. San Diego, California. **2018**. (Poster)

Rendon M,[†] Lou Z, Spence M, Mejia M,[†] Colby S, **Kavanagh K**. Breastfeeding knowledge, attitudes, prior exposure and intention of a sample of undergraduate students in Honduras. *Experimental Biology Annual Meeting*. Chicago, Illinois. **2017**. (Poster)

Waddill M, Spence M, Aaron K, Parrott R, Woods L, Colby S, **Kavanagh K**. Use of multiple household food inventories to measure food availability: Health Happens preschool program. *Experimental Biology Annual Meeting*. Chicago, Illinois. **2017**. (Poster)

Powell KD,[†] Colby SE, Olfert MD, Zhou W, Spence ML, Springer CM, **Kavanagh KF**. Associations between breastfeeding intention and accurate body size estimation among female college students. *Experimental Biology Annual Meeting*. Chicago, Illinois. **2017**. (Poster)

Woods L, Spence M, Harris T, Waddill M, Parrott R, Aaron K, Colby S, **Kavanagh K**. Evaluation of caloric and macronutrient content of meals sent from home and meals provided in a CACFP Certified Preschool Program. *FASEB J.* **2017**;31:957-36. (Poster)

Sowers MF, Colby S, Anderson Steeves B, **Kavanagh KF**, Zhou W. Description of content, traffic, and consumer demographics of vending machines on a college campus. *Society for Nutrition Education and Behavior annual meeting*. Washington, District of Columbia. **2017**. (Poster)

Sowers M, Colby S, **Kavanagh K**, Anderson Steeves E, & Zhou W. Testing product, pricing, and promotional strategies for vending machine interventions with a college population. *American Marketing Association Academic Conference*. New Orleans, Louisiana. **2017**. (Poster)

Mejia M,[†] Colby S, Zhou W, Olfert M, Yan W, Lou Z, Powell KD,[†] **Kavanagh K**. BMI of college students and history of breastfeeding as infants. *National Conferences on Undergraduate Research*. Asheville, North Carolina. **2016**. (Poster)

Crusenberry KJ,[†] Colby S, Spence ML, Murphy LT, **Kavanagh KF**. An online study of undergraduates' knowledge, awareness, and attitudes of preconception care." *FASEB J.* **2016**;30:895.3. (Poster)

Bower K,[†] Burnette T, Kortsmit T, Wright C,[†] **Kavanagh K**. A developmental evaluation of *PumpMed*: A web application designed to promote pumping in a Neonatal Intensive Care Unit. *FASEB J*. **2016**;30:1150.19. (Poster)

Bell J, Spence M, Aaron K, Colby S, **Kavanagh K**. "iRun"! An evaluation of the addition of nutrition education and a fitness log to an existing after-school fitness program. *FASEB J.* **2016**;30:895.2. (Poster)

Beck M, Spence M, Clay K, Perry-Burst C, Colby S, **Kavanagh K**. Cardiac Kids Club improves nutrition knowledge, dietary intake, and fitness among 4th & 5th graders. *FASEB J.* **2016**;30:276.1. (Poster)

Habibi M,[†] Springer C, Spence M, Hansen-Petrik M, Fouts H, **Kavanagh K**. Using videoconferencing for lactation consultation: An online survey of acceptance among a sample of fathers/maternal partners in the United States. *American Public Health Association Annual Meeting*. Chicago, Illinois. **2015** (Oral)

[†]Student

Bower K,[†] Burnette T, Kortsmit T, Wright C,[†] **Kavanagh K.** Development of a web-based intervention to promote pumping and breastfeeding in a neonatal intensive care unit (NICU) setting among mothers of premature infants. *American Public Health Association Annual Meeting*. Chicago, Illinois. **2015** (Oral)

Bower K,[†] Lewis DM,[†] Wright CJ,[†] **Kavanagh K,** Burnette TM. "Every little bit counts": Mothers' experiences pumping for their preterm infants. *American Academy of Pediatrics National Conference and Exhibition*. Washington, District of Columbia. **2015** (Poster)

Forman A, Colby SE, Gellar L, **Kavanagh K**, & Spence M. My Painted Plate: Art enhances nutrition education with children. *JNEB*. 2015;4(47):S57. (Poster)

Mejia ME,* Lou Z, **Kavanagh KF**. A study of infant feeding beliefs and behaviors among a sample of Southwestern Chinese mother-infant dyads. *Exhibition of Undergraduate Research and Creative Achievement*. (EUReCA). The University of Tennessee, Knoxville. 2015. (Poster)

Bower KM,** Nicklas JC, Burney JL, Greer BP, Lou Z, **Kavanagh KF**. Cereal-in-the-bottle associated with increased time between feeds among a sample of low-income women. *FASEB J.* 2015;29:404.1 (Oral)

Bower KM,[†] Burnette TM, Lewis DG, [†] Wright CJ, [†] **Kavanagh KF**. Mothers' experiences expressing breastmilk for VLBW infants: A phenomenological case study. *FASEB J.* 2015;29:581.6. (Poster)

Kavanagh KF, Lou Z, Burney JL, Greer BP, Bower KM, Nicklas JC. Lyophilization of infant-formula samples collected from low-income mothers at ~ 2 months of infant age. *FASEB J.* 2015;29:404.3. (Oral)

Habibi MF,[†] Springer CM, Spence ML, Hansen-Petrik MB, Fouts HN, **Kavanagh KF**. Using videoconferencing for lactation consultation: An online survey of acceptance among a sample of mothers in the United States. *FASEB J.* 2015;29:581.5 (Poster)

Mejia ME,[†] Bower K,[†] **Kavanagh KF**. Relationship of maternal characteristics and desired infant body size. The University of Tennessee, *Summer Research Institute*. Knoxville, TN. 2014. (Poster/Oral)

Sparks A, Colby S, **Kavanagh K**, Hansen-Petrik M, Appelo S, Wilkerson B, Monroe C, Thompson D. Protein and college males: knowledge, behaviors, and recommendations. *FASEB J.* 2014;28(1). (Poster)

Graves R,[†] Greer BP, Burney JL, Goodell LS, Bower KM,[†] Nicklas JC, **Kavanagh KF**. Development of an online nutrition education trial targeting inappropriate modifications to bottles of prepared infant formula. *American Public Health Association Annual Meeting*. New Orleans, LA. 2014. Abstract # 306217. (Poster)

Kavanagh KF, Burney J, Greer B, Goodell LS, Graves R,[†] Bower K,[†] Lou Z,[†] Nicklas J. Three-phased project for reducing modifications to bottles of prepared infant formula: Bottle content analysis, development of consumer tested messages, and RCT to assess impact. – Preliminary results of Phase III. *Society for Nutrition Education and Behavior annual meeting*. Milwaukee, WI. 2014. (Poster)

Greer B, Burney J, Bower K,[†] Graves R,[†] Goodell LS, Nicklas J, **Kavanagh K**. Methods for developing targeted nutrition education messages for testing with mothers of young infants: Focus on infant-formula modification. *National Association of Community Development Extension Professionals GALAXY IV*, 5 year meeting. Pittsburgh, Pennsylvania. 2013. (Poster)

Burney J, Greer B, Bower K,[†] Graves R,[†] Goodell LS, Nicklas J, Kavanagh K. Three-phased project for reducing modifications to bottles of prepared infant formula: Bottle content analysis, development of consumer-tested messages, and RCT to assess impact. – Results of Phase I and implementation of Phase III. *Society for Nutrition Education and Behavior Annual meeting*. Portland, Oregon. 2013. (Poster)

[†]Student; †*Student received award; †**Student nominated for award.

Kavanagh KF, Nicklas JC, Burney JL, Greer BP. Energy-density and macronutrient profiles of samples of infant formula provided by low-income mothers of formula-feeding infants at ~2 and ~4 months of age. *FASEB J.* 2013;27:37.1 (Accepted as oral)

Bower KM,[†] Nicklas JC, Waller JH,[†] Sberna AN,[†] Burney JL, Greer BP, **Kavanagh KF**. The relationship between infant-feeding attitudes and practices and infant weight at 2 and 4 months of age. *FASEB J*. 2013;27:1063.8. (Poster)

Lou Z,[†] Zeng G, Huang L, Wang Y, Zhou L, **Kavanagh KF**. Maternal indicators and reported causes of perceived insufficient milk supply among a sample of Chinese mothers. *FASEB J.* 2013;27:122.4. (Oral)

Lou Z,[†] Zeng G, Huang L, Liu F, Pang X, **Kavanagh KF**. Breastfeeding knowledge, attitudes, and intent in a sample of Chinese undergraduate students. *FASEB J.* 2013;27:625.10. (Poster)

Lewis DG,[†] Habibi MF,[†] **Kavanagh KF**. Fathers' acceptance of videoconferencing for remote lactation consultation: a pilot study. *FASEB J.* 2013;27:849.6. (Poster)

Burney J, Greer BP, Nicklas JC, **Kavanagh KF**. Three-phased project for reducing modifications to bottles of prepared infant formula: Bottle content analysis, development of consumer-tested messages, and RCT to assess impact: Results of Phase I and Implementation of Phase II. *Society for Nutrition Education and Behavior Annual meeting*. Washington, District of Columbia. 2012. (Poster)

Helvey JJ,[†] Bower KM,[†] **Kavanagh KF**. The mother-infant dyad study: A grounded-theory inquiry into the day-to-day experiences, between first time mothers and their infants that influence feeding practices. *FASEB J.* 2012;26:264.1. (Oral)

Kavanagh KF, Nicklas JC, Burney JL, Greer BP. Estimated energy intake and energy loss among low-income formula-fed infants: Mid-point analysis of phase 1 of the Baby-Mine study. *FASEB J.* 2012;26:264.3. (Oral)

Nicklas JC, Greer BP, Burney JL, **Kavanagh KF**. Does infant mood affect offered bottle size? An exploratory analysis of secondary objectives of the Baby-Mine study. *FASEB J.* 2012;26:264.4. (Oral)

Bower KM,[†] Nicklas JC, Helvey JJ,[†] Sberna AN,[†] Burney JL, Greer BP, **Kavanagh KF**. How often are others participating in infant feeding? An exploratory analysis of secondary objectives of the Baby-Mine study. *FASEB J.* 2012;26:368.5. (Oral)

Sberna A,[†] **Kavanagh KF.** Is emotion regulation related to breastfeeding outcomes? *American Public Health Association Annual Meeting*. Washington, DC. 2011. Abstract # 240886. (Poster)

Kavanagh KF, Nicklas JC, Burney J, Greer B. Infant-feeding practices and the impact on infant growth from 2 to 4 months of age: Preliminary results from year 1 of the "Baby-Mine" study. *FASEB J*. 2011;25:99.1. (Oral)

Lou Z,[†] Nicklas JC, Habibi M,[†] Murphy LT, **Kavanagh KF.** Breastfeeding knowledge and beliefs among undergraduate students in the southeastern United States: What is baseline? *FASEB J.* 2011;25:589.15. (Poster)

Raburn LM,[†] Helvey JJ,[†] **Kavanagh KF**. Voices of low SES women overcoming breastfeeding barriers: A qualitative analysis and model development. *FASEB J.* 2011;25:589.15. (Poster)

Brown B, Spence M, **Kavanagh K**, Paulus T. Perceptions related to dietary supplements among college students. *FASEB J.* 2011;25:989.23. (Poster)

[†]Student

Merola W, **Kavanagh K**, Spence M. Social marketing: Impact on elementary school students' consumption of salad bar food items. *FASEB J.* 2011;25:781.28. (Poster)

Habibi M,[†] Hedberg S, Magnuson E, **Kavanagh K**. Using Skype for breastfeeding consultation: Maternal response to experience. *American Public Health Association Annual Meeting*. Denver, Colorado. 2010. Abstract # 222877. (Oral)

Habibi M,[†] Hedberg S, Magnuson E, **Kavanagh K**. Using Skype for breastfeeding consultation: Feasibility study to determine accuracy of diagnosis and referral. *American Public Health Association Annual Meeting*. Denver, Colorado. 2010. Abstract # 222987. (Oral)

Fuller LE, * **Kavanagh KF**. Knowledge and behaviors of formula-feeding mothers of young infants in East Tennessee. *Tennessee Dietetic Association Annual Meeting*. Nashville, Tennessee. 2010. (Poster)

Joyce SM,[†] Johnson DM,[†] Nolte JV,[†] Granger LA,[†] **Kavanagh KF**. Awareness of the birth process among university students: knowledge of risks associated with cesarean deliveries. *FASEB J.* 2009;23:736.14. (Poster)

Joyce SM,[†] Granger LA,[†] Tait SD,[†] **Kavanagh KF.** Conversations: The commitment to breastfeed among low-income women in East Tennessee. *FASEB J.* 2009;23:737.15. (Poster)

Kavanagh KF, Springer CM. What's in that bottle? Accuracy of infant formula reconstitution among exclusively formula-feeding mothers in East Tennessee. *FASEB J.* 2009;23:737.14. (Poster)

Kavanagh K, Greer B, Perry-Burst C, Spence M. Impact of a planned environmental change on the fruit and vegetable choices and consumption among kindergarteners. *American Public Health Association Annual Meeting*. Philadelphia, Pennsylvania. November 2009. Abstract # 206907. (Poster)

Habibi M,[†] Anderson K,[†] Spence M, **Kavanagh-Prochaska K**. Well-fed and sleeping: Motivations driving infant feeding practices in rural Appalachia. *FASEB J.* 2008;22:452.3. (Oral)

Grissom MJ,[†] Jahns L, **Kavanagh-Prochaska K**. Pediatricians or Grandma...who influences WIC participants' ideal of infant fatness? *FASEB J.* 2008;22:452.4. (Oral)

Kavanagh-Prochaska KF, Cohen RJ, Heinig MJ, Nommsen-Rivers LA, Lonnerdal BL, Dewey KG. Relationship of bottle-feeding behaviors to intake and weight-for-length of formula-fed infants. *FASEB J*. 2007;21:A319. (Poster)

Research Reports Submitted to Sponsors

Kavanagh KF, Springer C. Prevalence of Accurately Reconstituted Infant Formula in the WIC population and in the non-WIC-eligible population: Exploring Maternal Knowledge, Attitudes, and Practices of Infant Formula Preparation. Submitted to the Southern Rural Development Center, USDA ERS RIDGE. March 2009.

Other Creative Accomplishments

Alford A, Anderson Steeves B, Black M, **Kavanagh K**, McElrone M, Palgut L, Rendon M, Wright C, Young M, Zegel R. Adolescent Reproductive Health and Pregnancy. In: Guidelines for Adolescent Nutrition Services. **2018**.

Holt K, Wooldridge N, Story M, Sofka D, eds. *Bright Futures: Nutrition*. 3rd ed. Elk Grove Village, IL: American Academy of Pediatrics; 2011. **Kavanagh, KF** (Contributor).

Heinig MJ, Kavanagh-Prochaska K. Results of the 2001-2002 California Statewide Breastfeeding Needs Assessment Survey. The University of California Division of Agriculture and Natural Resources;2002.

Mangels R, **Kavanagh-Prochaska K**. Vegan Nutrition in Pregnancy and Childhood. Vegetarian Resource Group;2000.

Teaching Experience

Assistant/Associate Professor, University of Tennessee, Knoxville (2007-2023)

As Instructor of Record

Graduate	 Maternal & Child Nutrition (2007-2018) Life Course Nutrition (2019-2023) Community Nutrition II (2008-2010) Applied Human Nutrition (2020, 2022-2023)
Undergraduate	 Food & Nutrition in the Community (2015-2019, 2021-2023) Food & Nutrition in the Community, Practicum (2016-2019, 2021-2023) Professional Issues in Nutrition & Dietetics (2021) Life Cycle Nutrition (2011-2013, 2015, 2022-2023) Freshman Seminar (2009-2010) Special Topics: The Secret Life of Breasts – Lactation & Society (2021) Fundamentals of Human Lactation (2023)

Mentoring Activities		Graduated	In Process
2009	McNair Scholar	1	
2014-2016	• Undergraduate student in Educational Advancement Program	1	
2009-2021	 Public Health Nutrition Block Field Placement 	34	
2007-2021	 Thesis Committee (Chair) 	21	
2007-2021	 Thesis Committee (Member) 	35	
2008-2016 &			
2018-2023	• Dissertation Committee (Chair)	5	4
2008-2021 &	 Dissertation Committee (Member) 	9	1
2023			

Teaching Assistant, University of California, Davis, CA (2002-2004)

As Graduate Teaching Assistant (all undergraduate courses)

- Clinical Nutrition Lecture & Lab
- Community Nutrition
- Nutritional Assessment

Service to Public & Private Organizations – Professional Capacity

Local

2008-2013 • East Tennessee Breastfeeding Coalition

- Grant Committee, member (2008-2011)
- Worksite Breastfeeding Recognition Committee, member (2009-2013)
- 2010-2014 The Breastfeeding Center at Lisa Ross, Breastfeeding Committee
 - Liaison to University of Tennessee, Knoxville
- Breastfeeding Coalition Reinvigoration Steering Committee, Knox County Health Department
 - Liaison to University of Tennessee, Knoxville

State

2010-2014 • Tennessee Obesity Taskforce

- Breastfeeding Subcommittee

Professional

2009-2023

- American Public Health Association, Food & Nutrition Section
 - Awards Committee chair (2009-2011, 2015-2016); Member (2011-2015, 2017)
 - Student & Early Career Professional Scholarship Committee chair (2016); Member (2017)
 - Abstract review for annual meeting (2010-2022)
 - Contributing member, ad hoc committee to draft response to USDA, FNS, Request for Public Comments for the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) Local Agency Recognition of Exemplary Breastfeeding Support Practices (2011)
 - Breastfeeding Forum Liaison (2010-2014)
 - Secretary-Elect (2012-2013)
 - Chair-Elect (2013-2014)*
 - Nominating Committee chair (2013-2014)
 - Section Chair (2014-2015)
 - *Past Section Chair* (2015-2016)
 - Section Councilor (2017)

- **2011-2013** Association of Graduate Programs in Public Health Nutrition, Inc
 - Expert Panel Member. Strategies for Success. Curriculum Guide for Graduate Programs in Public Health Nutrition

2006-2013, • Knoxville Academy of Dietetics & Nutrition

2021-2022

- Board of Directors Career Development Chair (2008-2011)
- Nominating Committee, Member (2011-2012)
- Nominating Committee, Chair (2012-2013)

- **2008-2009** Society for Nutrition Education and Behavior
 - Abstract review for national meeting

Ad Hoc Reviewer

- American Journal of Human Biology
- Appetite
- Breastfeeding Medicine
- BMC Pediatrics
- BMC Public Health
- Childhood Obesity
- Early Child Development & Care
- European Journal of Nutrition
- International Breastfeeding Journal

- Journal of the Academy of Nutrition & Dietetics
- Journal of Human Lactation
- Journal of Nutrition Education & Behavior
- Maternal and Child Health Journal
- Maternal & Child Nutrition
- Nutrients
- Pediatrics
- PLOS ONE
- Public Health Nutrition

Service to the University

Department of Nutrition Member Chair • By-Laws Committee 2008-2011 & 2014 2019-2020 • Dietetic Internship Admissions & Advisory Committee 2006-2020

^{*}Supersedes Secretary position for 2013-2014 term

	Currection vittee 110	ivanagn i cornary 202
 Faculty Search Committees 		
- Cellular Molecular Nutrition	2014	2012
- Public Health Nutrition	2014	2010, 2011, 2023
- Department Head	2022-2023	
Graduate Committee	2013-2023	
 Human Subjects Research Departmental Review 	2023	2012-2023
 Peer Teaching Evaluation Committee 		
Anderson Steeves, E	2020	
Bettaieb, A	2018	2023 (2)
Collier, J		2013
Donohoe, D		2017
Ha, S	2014	
Hansen-Petrik, M	2013; 2019	
McNeely, C	2014	
Murphy, M		2017
Raynor, H	2013	2013
Spence, M	2013	2013;2020
Wetherall, K	2012; 2019	
 Promotion & Tenure Committee 	2013-2023	
Recruitment Committee	2012-2013 & 2015-2021	2014
Department Undergraduate Curriculum Committee	2009-2023	
Vol Core Representative	2021-2023	
College of Education, Health, and Human Sciences	Member	Chair
• CEHHS Representative – Peace Corp Minor Committee	2021	
Associate Dean Search Committee	2021	
Graduate Curricular Review Committee	2009-2023*	2023-2024
 Promotion and Tenure Committee 	2013-2019	
 Technology Advisory Committee 	2008-2010	
Undergraduate Curricular Review Committee	2009-2023*	2023-2024
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*Interim Director of Curricular Affairs for CEHHS. August 2019-January 2020. Temporarily filled in for Dr. Jeff Fairbrother, while he acted as Interim Dean. Responsible for representing CEHHS at UG Council and any University Graduate or UG curricular subcommittees.

University	Member	Chair
Undergraduate Council Representative for CEHHS	2017-2019	
- Academic Policy Subcommittee	2017-2019	
- N-Designation Subcommittee	2017-2019	

Professional Society Memberships

1996-2014, 2016-2023	Academy of Nutrition & Dietetics
	- Research Dietetic Practice Group (1998-2007 & 2019)
	- Weight Maintenance Dietetic Practice Group (2007-2008)
	- Public Health Nutrition/Community Nutrition Dietetic Practice Group (2007-2008, 2010, 2012-2014, 2016-2023)
2006-2023	American Public Health Association
	- Maternal & Child Health Section (2006-2008, 2014-2023)
	- Food & Nutrition Section (2008-2023)
2001-2017, 2019-2023	American Society of Nutrition
2007-2013, 2017-2023	 Knoxville Academy of Nutrition & Dietetics
2005-2009	 Society for Nutrition Education & Behavior
2006-2014	Tennessee Breastfeeding Coalition
2021-2023	United States Lactation Consultant Association

Invited Lectures

Promoting Healthy Weight Colloquium 3.0 (**2020**). The University of Tennessee, Knoxville, Department of Nutrition, Program in Public Health Nutrition. A Socio-Ecological Perspective – Infant Feeding. *The Socio-Ecological Model as a Framework to Enhance Infant Feeding Outcomes*. Knoxville, Tennessee (virtual meeting). https://nutrition.utk.edu/promoting-healthy-weight-colloquium-series-3-0-overview/

Promoting Healthy Weight Colloquium 2.0 (**2015**). The University of Tennessee, Knoxville, Department of Nutrition, Program in Public Health Nutrition. Infant Feeding, Part 1. *Formula-Fed Infants: What Should Practitioners & Caregivers Discuss?* Knoxville, Tennessee. http://nutrition.utk.edu/promoting-healthy-weight-colloquium-series-2-0-overview/

Southeastern Conference (SEC) Symposium - Prevention of Obesity: Overcoming a 21st Century Public Health Challenge (**2014**). *Infant feeding mode and inappropriate early, rapid weight gain: Review of potential mechanisms and targets for intervention.* Atlanta, Georgia.

Tennessee Obesity Task Force General Meeting (2012). The University of Tennessee, Institute of Agriculture. Infant Feeding and Obesity. Knoxville, Tennessee.

Integrated NIFA Program Opportunities: Seminar & Discussion. The University of Tennessee Extension (2011). *Childhood obesity prevention: Lessons from a successful NIFA project.* Knoxville, Tennessee.

Promoting Healthy Weight Colloquium (**2010**). The University of Tennessee, Knoxville, Department of Nutrition, Program in Public Health Nutrition: Infancy: Nutrition, Physical Activity, Parenting and Fathers' Experiences. *Do fathers matter in the infant-feeding decision? Current evidence and future directions*. Knoxville, Tennessee. http://nutrition.utk.edu/seminars/HealthyWeightColloquium.html

Knoxville District Dietetic Association (2008). *Infant overfeeding: Research and medical perspectives*. Knoxville, Tennessee.

Blue Cross Blue Shield of Tennessee, UTK Site Visit (2008). Potential intervention point: Impact of accuracy of reconstituted powdered infant formula on infant intake and rate of weight gain from 2 to 4 months. Knoxville, Tennessee.

The Obesity Research Center fall workshop (2008). Early infant feeding: Impact on later overweight and potential intervention points. Pikeville, Tennessee.

East Tennessee Regional WIC meeting (2007). Results of focus groups exploring determinants of infant feeding practices among WIC participants in East Tennessee. Knoxville, Tennessee.

Public Health Seminar Series at UT Knoxville (2007). *Early infant weight gain: What's happening and how might it impact later overweight?* Knoxville, Tennessee.

East Tennessee Breastfeeding Coalition (2007). Educational intervention to modify bottle-feeding behaviors among formula feeding mothers in the WIC program: Results and future research direction. Knoxville, Tennessee.

Invited speaker, at the "A Closer Look at Breastfeeding Myths and 'Heresies' Facing the Facts and Fiction" conference, sponsored by the UC Davis Human Lactation Center (2005). When infants cry too much: Overview of methods used to calm the fussy infant. Davis, California.

Workshop participation/additional trainings

Date(s)	Title	Provider	Deliverable	Length
8/27/23- 11/18/23	Faculty Success Program	National Center for Faculty Development & Diversity	Weekly & Semester-level Research & Writing Plan	12 weeks
5/31/23- 6/21/23	CEHHS Intensive Summer Scholar Series	CEHHS Office of Research & External Funding	Scholarship Narrative & Professional Development Plan	4, 4-hour sessions
5/22/22- 8/25/22	JUMPSTART Online Course Design & Development	Office of Online Learning and Academic Programs (OLAP)	Completion Letter	~10 weeks
6/22/21- 6/30/21	CEHHS Equity, Inclusion, and Justice Summer Institute	CEHHS Faculty: Drs. J. Jabson-Tree, S. Benjamin, D. McCoy	Certificate	7 days
4/1/21- 5/30/21	Virtual Certificate of Training in Obesity for Peds & Adults	Commission on Dietetic Registration	Certificate, upon passing exam	~70 hours (20 sync)
Fall 2002	Seminar in College Teaching	University of California, Davis	Certificate	Weekly meeting