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Education

- 2021** Certified Lactation Counselor (CLC); Academy of Lactation Policy and Practice
2006 PhD, Nutritional Biology (Minor: Epi/Stats), University of California, Davis
2001 MS, Nutrition Science, The University of Tennessee, Knoxville
2001 Dietetic Internship, The University of Tennessee, Knoxville
1992 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)

NA

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)

- 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
- 2021-2022** 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

Grants Completed (Intramural)

- 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: \$39,200

Grants Submitted (Unfunded)

- 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 preschool-age
 \$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

<p>Total Extramural Funds Requested (Unfunded) as PI: \$2,360,679 (\$1,534,957 direct cost)</p>
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Peer-Reviewed Publications

- 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](https://doi.org/10.1080/03670244.2020.1793138)
- McElrone M, Colby S, Franzen-Castle L, Olfert MD, Kattelman 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](https://doi.org/10.1177/1524839920922496)
- McElrone M, Colby S, Fouts HN, Spence M, **Kavanagh K**, Franzen-Castle L, Olfert MD, Kattelman 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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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.

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.

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.

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.

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.

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.

[†]Student

[#]Student paper awarded the second annual Miriam Labbok New Investigator Award (2018) from the Journal of Human Lactation.

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

Winkel T,[†] Wilson J, Spence M, Colby S, Springer C, Hedrick M, & **Kavanagh K**. Tethered oral tissue release among breastfed infants: Maternal experiences. Under review with the *Journal of Human Lactation*. Submitted February 2022.

Manuscripts in-preparation

Winkel T,[†] Wilson J, Spence M, Colby S, Springer C, Hedrick M, & **Kavanagh K**. Tethered oral tissue release among breastfed infants: Maternal experiences. Target Journal: *Journal of Human Lactation*.

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*.

Eicholtz RK,[†] Colby S, Spence M, Springer C, Kavanagh K. Postpartum anxiety, breastfeeding self-efficacy & breastfeeding outcomes. Target Journal: *Journal of Human Lactation*.

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. Target journal: *Journal of Human Lactation*.

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*.

Lou Z, Greer B, Burney J, Bower K, Nicklas J, **Kavanagh K**. Reconstitution of powdered infant formula: Results of lyophilization of samples of home-prepared infant-formula collected from low-income, formula-feeding mothers. Target journal: *Maternal and Child Nutrition*.

[†]Student

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

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](https://doi.org/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)

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)

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

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, Kortsmitt 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)

Bower K, † Burnette T, Kortsmitt 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)

Bower K, † Burnette T, Lewis D, † Wright C, **Kavanagh K**. "I do it for her": Mothers' experiences pumping breastmilk for their preterm infants. *Comparative & Experimental Medicine and Public Health Research Symposium*. Knoxville, Tennessee. 2015. Abstract #32. (Oral)

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)

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

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)

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)

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

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)

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)

[†]Student; ^{†*}Student received award; ^{†**}Student nominated for award.

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 (2007-2022)

As Instructor of Record

- | | |
|---------------|--|
| Graduate | <ul style="list-style-type: none">• Maternal & Child Nutrition (2007-2018)• Life Course Nutrition (2019-2022)• Community Nutrition II (2008-2010)• Applied Human Nutrition (2020) |
| Undergraduate | <ul style="list-style-type: none">• Food & Nutrition in the Community (2015-2019, 2021)• Food & Nutrition in the Community, Practicum (2016-2019, 2021)• Professional Issues in Nutrition & Dietetics (2021)• Life Cycle Nutrition (2011-2013, 2015, 2022)• Freshman Seminar (2009-2010)• Special Topics: The Secret Life of Breasts – Lactation & Society (2021) |

<u>Mentoring Activities</u>		<i>Graduated</i>	<i>In Process</i>
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	• Dissertation Committee (Chair)	3	
2018-2022			3
2008-2021	• Dissertation Committee (Member)	9	

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*

State

- 2010-2014** • Tennessee Obesity Taskforce
 - *Breastfeeding Subcommittee*

Professional

- 2009-2022** • 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 (2010-2021)*
 - *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)

*Supersedes Secretary position for 2013-2014 term

- 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 (formerly, Knoxville District Dietetic Assoc.)
 - *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

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| • <i>American Journal of Human Biology</i> | • <i>Journal of the Academy of Nutrition & Dietetics</i> |
| • <i>Appetite</i> | • <i>Journal of Human Lactation</i> |
| • <i>Breastfeeding Medicine</i> | • <i>Journal of Nutrition Education & Behavior</i> |
| • <i>BMC Pediatrics</i> | • <i>Maternal and Child Health Journal</i> |
| • <i>BMC Public Health</i> | • <i>Maternal & Child Nutrition</i> |
| • <i>Childhood Obesity</i> | • <i>Nutrients</i> |
| • <i>Early Child Development & Care</i> | • <i>Pediatrics</i> |
| • <i>European Journal of Nutrition</i> | • <i>PLOS ONE</i> |
| • <i>International Breastfeeding Journal</i> | • <i>Public Health Nutrition</i> |

Service to the University

Department of Nutrition	Member	Chair
• By-Laws Committee	2008-2011 & 2014	2019-2020
• Dietetic Internship Admissions & Advisory Committee	2006-2020	
• Faculty Search Committees		
- <i>Cellular Molecular Nutrition</i>	2014	2012
- <i>Public Health Nutrition</i>	2014	2010 & 2011
• Graduate Committee	2013-2022	
• Human Subjects Research Departmental Review		2012-2022
• Peer Teaching Evaluation Committee		
<i>Anderson Steeves, E</i>	2020¹	
<i>Bettaieb, A</i>	2018²	
<i>Collier, J</i>		2013²
<i>Donohoe, D</i>		2017²
<i>Ha, S</i>	2014¹	
<i>Hansen-Petrik, M</i>	2013¹ & 2019²	
<i>McNeely, C</i>	2014²	
<i>Murphy, M</i>		2017¹

	<i>Raynor, H</i>	2013¹	2013²
	<i>Spence, M</i>	2013²	2013¹ & 2020¹
	<i>Wetherall, K</i>	2012¹ & 2019²	
• Promotion and Tenure Committee		2013-2021	
• Recruitment Committee		2012-2013 & 2015-2021	2014
• Undergraduate Curriculum Committee		2009-2022	
• Vol Core Representative		2021-2022	

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	2009-2022*
• Promotion and Tenure Committee	2013-2019
• Technology Advisory Committee	2008-2010
• Undergraduate Curricular Review Committee	2009-2022*

**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

1 – Fall Semester; 2 – Spring Semester

Professional Society Memberships

1996-2014,	• Academy of Nutrition & Dietetics (formerly: American Dietetic Association)
2016-2022	- <i>Research Dietetic Practice Group (1998-2007 & 2019)</i>
	- <i>Weight Maintenance Dietetic Practice Group (2007-2008)</i>
	- <i>Public Health Nutrition/Community Nutrition Dietetic Practice Group (2007-2008, 2010, 2012-2014, 2016-2022)</i>
2006-2022	• American Public Health Association
	- <i>Maternal & Child Health Section (2006-2008, 2014-2022)</i>
	- <i>Food & Nutrition Section (2008-2022)</i>
2001-2017,	• American Society of Nutrition
2019-2021	
2007-2013,	• Knoxville Academy of Nutrition & Dietetics
2017-2021	
2005-2009	• Society for Nutrition Education & Behavior

- 2006-2014** • Tennessee Breastfeeding Coalition
- 2021-2022** • 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
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 syn)
Fall 2002	Seminar in College Teaching	University of California, Davis	Certificate	Weekly meeting