

Curriculum Vitae

DAWN PENN BREWER, PhD, RD, LD

EDUCATION

2009	PhD in Foods and Nutrition	University of Georgia
2003	MS in Foods and Nutrition	University of Georgia
2001	Dietetic Internship	Iowa State University
2000	BS Nutrition Science and Applied Dietetics	Pennsylvania State University

PROFESSIONAL EXPERIENCE

July 2021 -	Associate Professor University of Kentucky Department of Dietetics and Human Nutrition College of Agriculture, Food and Environment (CAFE) Director of Graduate Studies, Department of Dietetics and Human Nutrition, July 2020- present
2016 - 2021	Assistant Professor University of Kentucky Department of Dietetics and Human Nutrition College of Agriculture, Food and Environment (CAFE) Director of Graduate Studies, Department of Dietetics and Human Nutrition, July 2020- present Director of the Didactic Program in Dietetics (DPD), 2012 – June 2020 Accelerated Coordinator Program lead, fall 2018
2012 - 2013	Full-time Lecturer (DOE: 80% teaching, 20% administration) University of Kentucky Department of Dietetics and Human Nutrition College of Agriculture Director of the Didactic Program in Dietetics (DPD)
2009 – 2012	Centers for Disease Control and Prevention Public Health Prevention Service Fellowship West Virginia State Health Department – field assignment National Center for Environmental Health, Division of Emergency and Environmental Health Services, Healthy Community Design Initiative - Training rotation in Atlanta, GA National Center for Chronic Disease Prevention and Health Promotion, Division for Heart Disease and Stroke Prevention – Training rotation in Atlanta, GA
2008	Instructor, University of Georgia, Department of Foods and Nutrition, Athens, GA Taught FDNS 3000 Human Nutrition and Food for Health Professionals summer class from June 2008 – July 2008
2005	Instructor, University of Georgia, Department of Foods and Nutrition Taught FDNS 2100 Human Nutrition and Food for Health Professionals summer class from July 2005 – August 2005
2004 – 2005	Clinical Research Assistant/Dietitian, Veterans Affairs Medical Center/ Duke University, Durham, NC
2003 – 2004	Research Technician II, University of Georgia, Department of Foods and Nutrition, Athens, GA
2001 – 2003	Teaching Assistant, University of Georgia, Department of Foods and Nutrition

HONORS and AWARDS:

Recipient, University of Kentucky College of Agriculture, Food and Environment Research Extension Impact Award, 2019

Recipient, University of Kentucky School of Human and Environmental Sciences Patricia Brantley Todd Research award of Excellence, 2019

Recipient of Wethington Award, 2016 - 2021

Recipient of BGAND's Outstanding Dietetic Educator Award, 2015

Recipient of the Teachers Who Make a Difference Award, 2014, 2015 (2 nominations in 2015)

INSTRUCTION:

Manage all aspects of courses including the development of the syllabus, course materials, and assignment of grades. Courses include:

“Research Methods in Nutrition and Food Systems”, DHN 600 online and in-person, Spring 2022 – present

Students will study accepted research methodologies and scientific approaches in human nutrition and food systems. Emphasis is placed on understanding the research methods, study design, data collection, and evaluation of various nutrition related studies. Discussions include development of research aims and hypothesis, internal review board, collecting of primary and secondary data, measurement approaches, study designs, and key considerations in developing a thesis for publication.

“Evaluation of Dietetic Issues and Leadership”, DHN 518 Spring 2019 – present

Course provides opportunities for the development of competencies, attitudes and values expected of the entry level professional, lectures, presentation of individual case studies and research projects are conducted. Opportunities are provided for transfer of theory to practice, interpretation of research, discussion of professional literature and application of leadership and communication skills in addressing issues of professional dietetic practice. This web enhanced didactic course is taught via distance learning coupled with on campus session

“Seminar In Nutrition and Food Systems”, DHN 774, Fall 2019 – present

This advanced participatory seminar focuses on the latest in nutrition and food systems research. Students will be expected to apply their knowledge of effective scientific communication, responsible conduct of research, and methods and technologies in nutrition and food systems through weekly readings, presentations, and class discussions. Prereq: Graduate standing and upper level graduate statistics.

“Dietetics Practice”, DHN 301 Fall 2012 - 2014, 2016 – 2017, 2019 - 2020

The course provides an overview of dietetic practice including professional ethics, standards of practice, scope of practice, educational pathways, credential attainment and maintenance, competencies required for entry level practice, responsibilities as a professional, and exploration of dietetics practice in medical nutrition therapy, food service management and delivery of nutrition services.

“Dietetics Pre-Professional Practice”, DHN 480 Spring and Summer 2013 - present

The course provides the opportunity for students to gain pre-professional experiences that are designed to allow students to apply knowledge and skills assessing, planning, implementing, and evaluating nutrition care delivery systems.

“Chronic Disease Management and Process” DHN 608 Fall 2015, Spring 2017 – Spring 2019

This course focuses on the etiology and pathophysiology of nutrition-related chronic disease and conditions including obesity, dyslipidemia, heart disease, diabetes and cancer. Emphasis is placed on the biochemical and physiological mechanisms involved by which nutrients impact the prevention and progression of chronic diseases and conditions.

“Nutritional Biochemistry” DHN 311 Fall 2013 - 2017

The course is the introductory study of the biochemical basis of nutrition-the physiochemical properties of nutrients and other essential biochemical and their role in physiological and metabolic processes.

ADMINISTRATION:

Director of Graduate Studies, Department of Dietetics and Human Nutrition, July 1, 2020 – present

- Provide management of DHN’s graduate program.
- Developed and maintain evaluation of the DHN graduate program.

Director of the Didactic Program in Dietetics (DPD): 2012 – June 30, 2020

- Developed and managed the overall evaluation plan for the DPD program.
- Ensured DPD program compliance in accordance to our accrediting organization, the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

RESEARCH:

Key Areas of Research:

- Promote the increased consumption of the quantity and variety of fruits and vegetables through community intervention programs
- Community-engaged research
- Environmental health literacy (EHL) with an emphasis on nutrition protecting health from environmental pollution

External Funding – Awarded

1. Cardarelli K. (PI), Mullins J, Swanson M, **Brewer D.**, Barr M, Luecking C, and Slone S. Submitted May 2021, 03/01/2022 – 02/28/2026. USDA NIFA AFRI: *Laurel Harvest: Helping Appalachia Restore a Vibrant Food Environment for Self Sufficiency Together*, Co-I to lead program evaluation, 10% effort, total \$999,752, nationally competitive.
2. Hennig B (PI), Bhattacharyya D., Swanson H., Ormsbee L., Hoover A., Hilt J., Balk T., Morris A., Dziubla T., Bush H, Mudd G., Moseley H., Pearson K., **Brewer D.**, Pennell K., Deng P., Escobar I., Mottaleb M., Haynes E. 04/01/2020 – 01/31/2025. Nutrition and Superfund Chemical Toxicity, 5 P42 ES007380-16. National Institute of Environmental Health Sciences, total award \$8,700,000. Core D Community Engagement Core: Brewer D. (Core Leader) and Mudd-Martin G., \$519,100 Brewer portion: \$501,885. 8.5% effort, nationally competitive.
3. Plasencia J (PI), Miller C., Grubbs A., Norman H., Osorio Ceballos J., **Brewer D.** 5/01/2020 – 4/30/2025 USDA NIFA AFRI: Bridge Scholars Program – Bridging Disease Prevention Through Nutrition Focused Education in Community Clinics, 2020-67037-30669. Total \$499,960 , Brewer portion: \$6,693, Co-I, 1.11% effort, nationally competitive.
4. Hoover A (PI), Christian W., McAlister M., Tumlin K., Evans S., **Brewer D.**, Pennell K. 9/09/2019 – 05/31/2022 National Library of Medicine: Integrating Information Resources to Promote Environmental Health Literacy in Appalachian Kentucky, 1G08LM013185-01. Total \$143,614, Brewer portion: \$18,857 Co-I, 5%, effort, nationally competitive.

5. Norman H. (PI), Hunter J., **Brewer D.**, Pennell K. 9/30/2019 – 9/29/2022. Kentucky Department of Agriculture, U.S. Department of Agriculture Specialty Crop Block Grant Program: Plate It Up! Kentucky Proud Sustainability Project, PON2 035 1900003062. Total \$50,000, Brewer portion: \$38,750. Co-I, 2.92% effort, within-state competitive.
6. Norman H. (PI), Hunter J., **Brewer D.** 12/01/2018 – 9/31/2021. Kentucky Department of Agriculture, U.S. Department of Agriculture Specialty Crop Block Grant Program: Plate It Up! Kentucky Proud Mobile Kitchen Project, PON2 035 19000030622018. Total \$50,000, Brewer portion: \$6,265, Co-I, 0.96% effort, within-state competitive.
7. Hennig B (PI), Bhattacharyya D., Ormsbee L., Cassis., Hilt J., Morris A., Pearson K., **Brewer D.** 04/01/2014 – 03/31/2019. National Institute of Environmental Health Sciences: Superfund Hazardous Substance Research and Training Program – Core D1 Community Engagement Core, 5 P42 ES007380-16, total award \$12,200,000. Brewer D. (Core Leader 04/1/2016 – 03/31/2019, Co-Core Leader 04/1/2014 – 03/31/2016), Gaetke L (Core Leader 04/01/2014 – 03/31/2016). and Pennell K. Total \$713,561 Brewer portion:\$610,000 17% effort, nationally competitive.
8. Hennig B (PI), Bhattacharyya D., Ormsbee L., Cassis., Hilt J., Morris A., Pearson K, **Brewer D.** 4/01/2015 – 03/31/2016. National Institute of Environmental Health Sciences: Superfund Hazardous Substance Research and Training Program – Core D2 Community Engagement Core, Research and Training Program – Core D2 Expansion Core, 5 P42 ES007380-16, Brewer D, (Core Leader), Pennell K. Total \$52,268, Brewer portion: \$48,910, 5% effort, nationally competitive.
9. Vail A. (PI), Cardarelli K, Davis A., Gustafson A., Carman A., Smith C., **Brewer D.**, Kurzynske J., Mullins J., Webber K., McGladrey M., Aull M., Peritore N., Bastin S., Stephenson T. 9/30/2014- 9/30/2018. Centers for Disease Control and Prevention: Programs to Reduce Obesity in High Obesity Areas, 6NU58DP005483-03-03. Total \$1,364,385, Brewer portion: \$24,000, Co-I, 5% effort, nationally competitive.
10. Vail A. (PI), **Brewer D.**, Kurzynske J., Mullins J. 10/1/2014 – 9/30/2017. USDA Supplemental Nutrition Assistance Program and Expanded Food and Nutrition Education Program- Regional Nutrition Education and Obesity Prevention Centers of Excellence: University of Kentucky Nutrition Education and Obesity Prevention Coordination Center of Excellence, 2014-48757-22609. Total \$335,000, Brewer portion: \$48,310, Co-I 6.7% effort, nationally competitive.

Internal Funding- Awarded

1. **Brewer D** and Koempel A. 11/30/2021 – 06/30/2022. University of Kentucky, College of Agriculture, Food and Environment Research Activity Award, Fruit and Vegetable Food Box to Produce Good Health, total \$3,000, PI, college competitive.
2. **Brewer D** and Li C. 11/30/2020 – 06/30/2021. University of Kentucky, College of Agriculture, Food and Environment Undergraduate Experiential Research Project Grants Program, total \$1,000, PI, undergraduate student Christine Li Co-PI, college competitive.

3. **Brewer D** and Smith L. 11/30/2019 – 06/30/2020. University of Kentucky, College of Agriculture, Food and Environment Undergraduate Experiential Research Project Grants Program, total \$1,000, PI, undergraduate student Lucinda Smith Co-PI, college competitive.
4. **Brewer D**, Woods T, Joday Esman, Biddle Martha (PI). 10/31/2018 – 06/30/2019. University of Kentucky, College of Agriculture, Food and Environment, School of Human Environmental Sciences, 2018-2019 Research Activity Award, Cardiovascular Health of Community Supported Agriculture Participants, Co-I, total \$10,000, Brewer portion: \$10,000, within college competitive.
5. **Brewer D**. (Co-PI), Horn V. (Co-PI), Mudd-Martin G., and Stephenson T. 04/30/2018 – 10/31/2019. University of Kentucky Center for Clinical and Translational Science (CCTS) Community Engagement Pilot Grant Program. Tanglewood to Table: A Community Fruit and Vegetable Voucher and Walking Program to Reduce Obesity-related Risk Factors in Appalachia Kentucky, total award and Brewer portion, \$25,000, within-University competitive.
6. **Brewer D**. (PI) and Stephenson T. Awarded December 2017. University of Kentucky, Office of the Vice President for Research Fall 2017 Minor Research Equipment Competition, total award and Brewer portion, \$15,200, within-University competitive.
7. **Brewer D**. (PI) and Stephenson T. 12/01/2017 – 06/30/2018. University of Kentucky College of Agriculture, Food and Environment, 2017-2018 Research Activity Award: Tanglewood Trail Walking Program. Total award and Brewer portion: \$10,000, within-college competitive.
8. **Brewer D**. (Co-PI) and Stiltner S. (Co-PI). 11/01/2017 – 06/30/2018. University of Kentucky, College of Agriculture, Food and Environment Undergraduate Experiential Research Project Grants Program, total award \$1,500. Co-PI was an undergraduate student. Total award \$1,500, within-college competitive.
9. Combs L. (Co-PI), Stephenson T (Co-PI, and **Brewer D**. Awarded spring 2018. University of Kentucky College of Agriculture, Food and Environment Charles E. Barnhart Fund for Excellence: DHN 313 Student Field Trip to Whitesburg, Kentucky. Total award and Brewer portion \$800, within-college competitive.
10. Stephenson T (Co-PI) and **Brewer D**. 11/1/2016 – 06/30/2017. College of Agriculture, Food and Environment, Research Activity Award Application: Walking Trail Program Undergraduate Research Experience. Total award and Brewer portion \$6,000, Co-PI, within-college competitive.
11. **Brewer D** (PI)., Kostelic A., Strang J., Stephenson S., Koempel A., Price A., Sheffield A. University of Kentucky Human Environmental Sciences (HES) Extension Activity Award, School of HES, College of Agriculture, Food and Environment. 11/1/2016 – 06/30/2017. Berrycare: A Blackberry Club to Facilitate Community Engagement and Phytonutrient Intake. Total award and Brewer portion \$3,417, awarded November 2016.

Publications

Indicates **senior author, ‡corresponding author, †Brewer graduate student, ††undergraduate student researcher, ††† community partner.

Submitted for review:

1. **Brewer D**, Koempel A, Kostelic A, and Plasencia J. Building Sustainable Community-Academic Partnerships

while Implementing a Nutrition-Based Blackberry Garden Program at a Senior Center, *The Journal of Hunger & Environmental Nutrition*. Submitted November 2021.

Accepted:

1. Biddle M, Misook C, Kang J, Derringer J, Rose A, **Brewer D**, Chung M, Lennie T, Mudd-Martin G, Woods T. Examining Food Security, Choices and Barriers among Community Supported Agriculture Participants During COVID-19 in Kentucky. *The Journal of Hunger and Environmental Nutrition*, accepted January 2022.
2. Oo K, Stephenson T^{**}, Hege A, **Brewer D**, Gamboa L, Hildesheim L, Serra L, Houlihan J and Koempel A (2020). Addressing Childhood Hunger During the Summer Months: Using Gleaned Produce for Snacks and Interactive Nutrition Education on Food Systems and Healthy Eating. *Journal of Hunger and Environmental Nutrition*, DOI: [10.1080/19320248.2020.1744497](https://doi.org/10.1080/19320248.2020.1744497).
3. Hoover AG[‡], Koempel A, Christian WJ, Tumlin KI, Pennell KG, Evans S, McAlister M, Ormsbee L, and **Brewer D^{**}** (2020). Appalachian Environmental Health Literacy: Building Knowledge and Skills to Protect Health. *Journal of Appalachian Health*, 2(1): 47-53. DOI: <https://doi.org/10.13023/jah.0201.06>.
4. Koempel A[‡], **Brewer D^{**}**, Mudd-Martin G, Stephenson T (2020). Mountains of Abundance: A Fruit and Vegetable Walking Program in Central Appalachia. *Journal of Appalachian Studies*, Spring 2020, vol 26(1): 106-127.
5. Oo K., Stephenson T^{**}, Hege A, **Brewer D**, Gamboa L, Hildesheim L, Serra L, Houlihan J, and Koempel A (2019). Gleaning from Campus Farms: Sustainable Approach to Reducing Waste and Addressing Food Insecurity. *North American Colleges and Teachers of Agriculture (NACTA) Journal*, August 63(2):354-359.
6. **Brewer D[‡]**, Travis E[†], Koempel A, Ormsbee L and Pennell K^{**}. Community Forum Identifies Opportunities to Engage with Community Leaders about Chronic Disease and Environmental Pollution in Eastern Kentucky. *Applied Environmental Education & Communication*, 2020; 19 (2): 187-204.
Brewer D[‡], Bellamy H^{††}, Hoover A, Koempel A, Gaetke L^{**}. Nutrition and Environmental Pollution Extension Curriculum Improved Behaviors and Environmental Health Literacy. *Environmental Health Insights*, March 2019, (13): <https://doi.org/10.1177%2F1178630219836992>.
7. Dunn K^{††}, Gaetke L, Stephenson T, **Brewer D^{**}** (2017). Older Adults' Perception of Nutrition Being Protective Against the Detrimental Health Effects of Environmental Pollution. *Journal of Extension* 55(4): 1-8. Impact Factor and Total Citations not available.
8. **Brewer D[‡]**, Dickens E[†], Humphrey A, Stephenson T^{**} (2016). Increased Fruit and Vegetable Intake among Older Adults Participating in Kentucky's Congregate Meal Site Program. *Educational Gerontology*; 42 (11): 771 – 784.
9. **Brewer D[‡]**, Hershberger, S and Gaetke, L^{**} (2016). Healthy Hunger-Free Kids Act Increases Phytochemicals in Menus and Curriculum Furthers Identification of Phytochemical-Rich Foods. *Journal of Nutritional Health & Food Science*; March: 4(1): 1-6.
10. **Brewer Dawn[‡]**, Brewer Darrell, and Stephenson Tammy^{**} (2016). A Student-Driven Nutritional Biochemistry Recitation Course Demonstrated Better Grades and Acceptability among Enrolled Students. *North American Colleges and Teachers of Agriculture (NACTA) Journal*; Dec 2016: 60(4): 372 – 378.

Articles- Non-Peer Reviewed:

1. Hennig B, Pennell K, **Brewer D** (2019). Healthful Living: A Prevention Paradigm to Reduce Vulnerability to Environmental Pollutant Toxicity. *Sustain*; summer (40): 38-40.
2. **Brewer D** (2017). Nutrition Educators of Health Professionals Teaching Tip to Connect with Millennials. *Nutrition Educators of Health Professionals*.

Presentations

†Brewer graduate student, †† undergraduate student, ††† community partner

Oral Presentations

1. **Brewer D** (co-presenter), Koempel A, Blair C, Horn V. Homegrown Community Solutions to Increase Fruit and Vegetables Consumption and Physical Activity in Appalachia. Foundation for a Healthy Kentucky, invited, webinar; November 13, 2020.
2. **Brewer D** (presenter) and Koempel A. BerryCare: A Sustainable Community-Academia Nutrition-Based Collaborative Program to Promote Well-Being in Older Adults. Appalachian Translational Research Network Health Summit, webinar; September 22, 2020.
3. Koempel A (presenter) and **Brewer D**. BerryCare: Food Insecurity and the Role of Memory. Appalachian Translational Research Network Health Summit, webinar; September 22, 2020.
4. Pennell K and **Brewer D**. Overview of the University of Kentucky Superfund Research Center (highlighted BerryCare program). National Institute of Environmental Health Sciences Community Engagement Core and Research Translation Core- Lightning Talk Series, invited, webinar; July 9, 2020.
5. **Brewer D**. Choose Health: Appalachians Eating Healthier, Moving More and Learning Together to Reduce CVD Risk” P30 University of Kentucky Center for Appalachian Research in Environmental Sciences (UK-CARES): R-Group Meeting, invited, April 24, 2020.
6. **Brewer D**. Evaluating Children’s Knowledge of Nutrition and Environmental Pollution Following Day Camp: Findings and Lessons Learned. UK Center for Clinical and Translational Science Conference, invited, oral presentation; April 2020. **Cancelled due to COVID-19.
7. **Brewer D** (co-presenter) and Cardarelli K. Appalachia- Seeing Hunger in Kentucky. Universities Fight World Hunger Summit 2020, invited, webinar due to COVID-19; March 2020.
8. **Brewer D**. Nutrition to Counteract the Harmful Effects of Environmental Exposures: Encouraging Healthy Lifestyle Practices to Protect Health from Environmental Pollution. Partnerships for Environmental Public Health (PEPH), invited webinar; July 2019.
9. **Brewer D**. Growing Blackberries and Fostering Community, Research and Extension Partnerships. UK School of Human Environmental Sciences Lunch and Learn, invited, oral presentation; April 2019.

10. McHugh K and **Brewer D**. The Tanglewood Trail Walking and Voucher Program. UK School of Human Environmental Sciences Lunch and Learn, invited, oral presentation; January 2019.
11. **Brewer D**. Color Your Plate. National Institute of Environmental Health Science Community Engagement Core and Research Translation Core, invited, webinar; January 2019.
12. **Brewer D** and Horn V^{†††}. Porch Swing Solutions to Improve Health Among Eastern Kentuckians- An Academic and Community Partnership. Appalachian Translation Research Network Summit, invited, oral presentation; September 2018
13. **Brewer D**. Metabolism: Healthy vs. Obese. Bluegrass Academy of Nutrition and Dietetics regional meeting, invited oral presentation; February 2017.
14. **Brewer D** and Swanson M. Research Methods in Health and Nutrition. College of Public Health Lunch and Learn, invited oral presentation; November 2017.
15. Birnbaum L, **Brewer D**, Caudill L M^{†††}, and Feltner F. Appalachian Health and Well-Being Forum, Whitesburg, KY, invited panelist; July 2016.
16. **Brewer D**, Dickens E[†] and Humphrey A. A Pilot Nutrition Education Intervention to Increase Fruit and Vegetable Intake among Seniors Participating in the Congregate Meal Site Program in Kentucky Senior Centers, Oral Presentation, School of Human Environmental Sciences, University of Kentucky, February 2016.
17. **Brewer D**, Kurzynske J, Mullins J, and Vail A. USDA Regional Nutrition Education and Obesity Centers of Excellence- UK National Coordination Center. UK School of Human Environmental Sciences Lunch and Learn, invited oral presentation; February 2015.
18. Ashurst K, **Brewer D**, Vail A, Werner-Wilson R. Achieving Grant Success: Learn from your HES peers. UK School of Human Environmental Sciences Friday Conversation, invited panelist; January 2015.
19. **Brewer D**. A Perspective on Aging: Inflamm-aging and Chronic Disease. Bluegrass Academy of Nutrition and Dietetics regional meeting, invited oral presentation; January 2014.

Poster Presentations

1. Barker L, Norman-Burgdolf H, Stephenson, T, Pickford K and **Brewer D**. Family and Consumer Sciences Agents Perception of a Sustainable Eating Curriculum for Kentuckians. Poster presentation, Kentucky Local Food Systems Summit, March 2022.
2. Li Z., Koempel A, Stephenson Tammy, Mudd-Martin G, **Brewer D**. Leveraging Community Resources to Provide a Box of Fresh Fruits and Vegetables to Low-Income Kentucky Appalachians Living in a Food Desert. Poster presentation, Virtual Food and Nutrition Conference and Exposition (FNCE) Conference, October 2021.
3. Koempel A, Mudd-Martin G, **Brewer D**. Reinforcing and Building New Community Relations in Appalachian Kentucky Amid the COVID-19 Pandemic. Poster presentation, Virtual Superfund Research Program Annual Meeting, December 2020.
4. Stephenson T., **Brewer D**. Norman H., Syeda A., Fowler M., Oo K., and Koempel A. Recipe Sampling at Farmers' Market: Implications on self-reported fruit and vegetable intake, dermal carotenoid scores, and intent to prepare. Virtual poster presentation, Society for Nutrition Education and Behavior conference, July 2020.

5. Biddle M, Kang J, **Brewer D**, Woods T. Biometric of Community Supported Agriculture Participants. Poster presentation, Southern Nurses Conference, March 2020 ***Cancelled due to COVID-19.
6. Mattingly A[†], Koempel A, **Brewer D**. Examining Changes in Children's Knowledge of Nutrition and Environmental Pollution Following Camp. Poster presentation, Partnerships for Environmental Public Health Annual Meeting, February 2020.
7. Fowler M, Stephenson T, **Brewer D**, Norman-Burgdolf H, Koempel A, Oo K, and Syeda A. Plate It Up! Kentucky Proud: Promoting purchase and consumption of locally-produced specialty crops. Poster presentation, UK Food Connection- Kentucky Local Food Systems Summit, February 2020.
8. Koempel A, **Brewer D**, and Hoover A. Examining Environmental Health Literacy in Appalachia: Qualitative Findings from the Field. Poster presentation, Superfund Research Program Annual Meeting, December 2019.
9. **Brewer D**, Koempel A, Plasencia J, Mudd-Martin G, McHugh K[†], and Stephenson TJ. Produce to the People: Increasing food access and physical activity in Appalachian Kentucky. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2019.
10. Bressler B, Norman-Burgdolf H, Mullins J, **Brewer D**, Cardarelli K. Evaluating the Experiences of FCS Cooperative Extension Agents Use of Policy, System, and Environmental Strategies to Reduce Obesity in Rural Counties. Poster presentation, UK Center for Clinical and Translational Science Spring Conference, April 2019.
11. Koempel A, **Brewer D**, and Horn V^{†††}. Environmental Pollution Knowledge was Similar Among Youth Aged 5 – 13 Years Old. Poster presentation, Superfund Research Program Annual Meeting, December 2018.
12. McHugh K[†], Horn V^{†††}, Koempel A, Stephenson, **Brewer D**. Walking Program with Vouchers Increased HDL Cholesterol Among Appalachians. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2018.
13. Stephenson T, **Brewer D**, Combs E, Koempel A, McHugh K[†]. Engaging students in rural health education through experiential learning in community nutrition course. Poster presentation, Society for Nutrition Education and Behavior (SNEB) Conference, July 2018.
14. McHugh K[†], Horn V^{†††}, Koempel A, Stephenson T, and **Brewer D**. Tanglewood Trail Walking and Voucher Program. Poster presentation, Appalachian Translation and Research Network Summit, September 2018.
15. Koempel A, McHugh K[†], Horn V^{†††}, and **Brewer D**. Walking for Local Produce in Rural Kentucky: A Qualitative Review. Poster presentation, Appalachian Translation and Research Network Summit, September 2018.
16. Stiltner S^{††}, Koempel A, Horn V^{†††}, Blackburn K^{††}, **Brewer D**. BMI among Rural Appalachian Youth Participating in a Farm and Nutrition Education Camp in Eastern Kentucky. Poster presentation, Appalachian Translation and Research Network Summit, September 2018.
17. **Brewer D**, Koempel A and McHugh K[†]. BerryCare: Community Partnerships to Increase Consumption of Phytonutrient-rich Blackberries among Older Adults. Poster presentation, Superfund Research Program Annual Meeting, December 2017.

18. **Brewer D**, Bellamy H[†], Koempel A, and Gaetke L. Positive Behavior Changes Made Following Participation in Cooperative Extension Education Curriculum Focused on Dietary Strategies to Protect Against Environmental Pollutants. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2017.
19. **Brewer D**, Koempel, Hosier A, Strang J, Price A, Amorese A, and Stephenson T. BerryCare: Blackberry Cooperative Extension Lessons to Promote Phytonutrient Intake. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2017.
20. Oo K, Hege A, **Brewer D**, Gamboa L, Hildesheim L, Serra L, Houlihan J, Stephenson T. Sustainable Approaches to Fighting Hunger: Development and Evaluation of an Innovative Gleaning and Nutrition Education Program Among Food Insecure Children in Lexington, KY. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2017.
21. **Brewer D**, Travis E[†], Petriello M, Pennell K, Hoover A, Hilt Z, and Ormsbee L. Appalachian Health and Well-being Forum. Poster presentation, Superfund Research Program Annual Meeting, December 2016.
22. **Brewer D**, Dickens E[†], Humphrey A, Gaetke L, Stephenson S. Color Your Plate: A Pilot Nutrition Education Intervention to Increase Fruit and Vegetable Intake among Older Adults participating in the Congregate Meal Site Program in Kentucky Senior Centers. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2016.
23. Humphrey A, Stephenson T, **Brewer D**, and Dickens E[†]. Efficacies of Color Your Plate Nutrition Education Curriculum in Senior Center Congregate Meal Sites. Poster presentation, Society for Nutrition Education and Behavior (SNEB) Annual Conference, August 2016.
24. Simpson E, Stephenson T, **Brewer D**, Schwartz A, and Bastin S. Perceived Stress, Caffeine Consumption, and GPA of Undergraduate Students at a Large Public University. Poster presentation, Society for Nutrition Education and Behavior (SNEB) Annual Conference, August 2016.
25. Ashton E, Stephenson T, **Brewer D**, Webber K, and Schwartz A. The Effects of a 16-Week Introductory Nutrition Course on the Dietary Habits and Body Composition of College Students. Poster presentation, Society for Nutrition Education and Behavior (SNEB) Annual Conference, August 2016.
26. Cardarelli K, McGladrey M, Peritore N, Webber K, Carman A, and **Brewer D**. Multi-Sector Collaboration to Reduce Obesity Disparities in Rural Kentucky. Oral presentation, Kentucky Association of Public Health Association Conference, April 2016.
27. Kurzynske J, **Brewer D**, Mullins J, Vail A, Ammerman A, Baker S, Dollahite J, and Savaiano D. Regional Nutrition Education and Obesity Prevention Centers of Excellence (RNECE) National Coordination Center at the University of Kentucky. Poster presentation, Association of SNAP-Ed Nutrition Networks and Other Implementing Agencies (ASNNA); February 2016.
28. Dickens E[†], **Brewer D** and Gaetke L. Level of Concern Regarding Harmful Health Effects of Environmental Contaminants among Older Adults Participating in Kentucky's Congregate Meal Site Program and their Understanding of the Protective Role of Good Nutrition. Poster presentation, Superfund Research Program Annual Meeting, November 2015.
29. **Brewer D**, Clifton H^{††}, Gaetke L: Land-Grant Institution's Cooperative Extension Service Serves as a Valued Partner in UK-SRC's Community Engagement Core Efforts. Poster presentation, Superfund Research Program Annual Meeting, November 2015.

30. **Brewer D**, Kurzynske J, Mullins J, Ammerman A, Baker S, Dollahite J, Savaiano D, and Vail A. Improving Health through USDA’s SNAP & EFNEP: Regional Nutrition Education and Obesity Prevention Centers of Excellence. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2015.
31. **Brewer D**, Shroff S[†], Hershberger S, and Gaetke L. Healthy Hunger-Free Kids Act of 2010 Increased Phytochemical and Antioxidant Content of School Lunch Menus and Science-based Curriculum Taught Adolescents Nutrition and “Fighting Foods”. Poster presentation, Food and Nutrition Conference and Exposition (FNCE) Conference, October 2015.
32. **Brewer D** and Stephenson T. Innovative Approach to Higher-level Learning of Complex Concepts in a Rigorous Nutritional Biochemistry Course. Poster presentation, North American Colleges and Teachers of Agriculture (NACTA) Conference, June 2015.
33. Stephenson TJ and **Brewer, D**. The evolution of electronic textbooks in higher education – what do our students think? 2014 North American Association of Colleges and Teachers of Agriculture Annual Meeting, Bozeman, MT, USA.

EXTENSION:

FCS Agent Statewide Training:

Brewer D and Barrett D. FCS Extension Agent Training- Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle; February 2019.

*Danielle Barrett is an FCS Extension Agent who piloted in the Body Balance curriculum in her county. Together we planned and presented our curriculum at two different locations to FCS Extension agents from across Kentucky who were participating in the statewide training.

Extension Publications:

BerryCare curriculum

1. **Brewer D**, Koempel A, Kostelic A (2019). ID-255: BerryCare: Building a Blackberry Community
 *The BerryCare curriculum includes six publications, of which I authored four. I am the primary author on the three original publications listed here. These three publications focus on nutrition and environmental pollution. The curriculum is utilized by the UK Superfund Community Engagement Core. BerryCare is a sustainable community program that provides a free source of blackberries to communities. It involves a collaboration between the University of Kentucky Superfund Research Center Community Engagement Core, University of Kentucky FCS Cooperative Extension and Agriculture and Natural Resources Extension or Horticulture Extension, and a community entity. Supplemental materials for the curriculum are currently under review by the University of Kentucky’s Agricultural Communication Services that include a facilitator’s guide, powerpoint, activities, and recipes. I plan to present the BerryCare curriculum to FCS agents at their statewide training in February 2021.

6 Plate It Up! Kentucky Proud Recipes developed by my team to supplement BerryCare curriculum:
<https://fcs-hes.ca.uky.edu/piukp-recipes> Berry and Basil Pizza Crisp; Blackberry and Basil Omelet;

Blackberry and Basil Spritzer; Blackberry and Cucumber Salad; Blackberry Vinaigrette; and Blackberry Basil Grilled Cheese

2. **Brewer D**, Koempel A, Kostelic A (2019). ID-256: *BerryCare: When Blackberries and Other Berries are in Season*
3. **Brewer D**, Koempel A, Kostelic A (2019). ID-257: *BerryCare: Protection from Pollution with Phytonutrient-Rich Berries*

Body Balance curriculum

4. **Brewer D**, Bellamy H† and Gaetke L (2017). FCS-596: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle—The Connection between Pollution and Nutrition*
*Body Balance curriculum includes 8 publications and supplemental materials for 7 of the publications. Supplemental materials includes a facilitator’s guide, activities, recipes, template for advertising the curriculum, a template success story and supplemental reading.
The curriculum highlights dietary strategies that can potentially help protect the body against environmental pollution. The curriculum is available to UK FCS Extension agents and the publications are also posted in NIEHS’ Partnerships for Environmental Public Health Resource Center. Hannah Bellamy started this project as an undergraduate student, continued as a dietetic intern in which I served as her preceptor and she finished it as part of research assistantship that I support while she was an MPH student.
5. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-597: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Cut Down on Environmental Pollutants in Your Food*
6. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-598: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Make Your Plate a Rainbow*
7. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-599: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Healthy Ways to Flavor Your Food*
8. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-600: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Fundamentals of Fermented Foods*
9. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-601: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Picking out Produce: All About Organic and Conventional Food*
10. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-602: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Safe Storage for Food and Drink*
11. **Brewer D**, Bellamy H and Gaetke L (2017). FCS-603: *Body Balance: Protect Your Body from Pollution with a Healthy Lifestyle— Nutritious Nuts and Seeds*

OTHER SERVICE:

P30 UK Center for Appalachian Research in Environmental Sciences (UK-CARES) Competing Renewal Workgroup: "Promoting Translation - Data to Knowledge to Action", workgroup member, May 2020 – April 2021
Community Leadership Institute of Kentucky (CLIK), Faculty Mentor, March 2019 – March 2021

CCTS Spring Conference, session co-chair, April 2020, **cancelled due to COVID-19
CCTS Spring Conference, table display, April 2020, **cancelled due to COVID-19
Center for Health Equity Transformation (CHET), member, August 2018 – present
UK Sustainability Challenge Grant, reviewer, October 2018 - present
Editorial Review Board Member, Journal of Nutrition in Gerontology and Geriatrics, July 2017 – present
Reviewer, Research on Aging, March 2017 – present
Reviewer, Journal of Nutrition in Gerontology and Geriatrics, May 2015 – present
Reviewer, Journal of the Kentucky Academy of Science, May 2015 – present

Professional Memberships:

Academy of Nutrition and Dietetics (AND), June 2012 – present
Kentucky Academy of Nutrition and Dietetics, June 2012 – present
Bluegrass District Dietetic Association, July 2012 – present
Public Health/Community Dietetics Professional Group, May 2019 - present
Nutrition and Dietetics Educators and Preceptors Dietetics Professional Group, June 2012 – present
Nutrition Educators of Health Professionals, Dietetics Professional Group, June 2012 - present
Healthy Aging Dietetics Professional Group, June 2014 - present