

## Curriculum Vitae

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**June 2022**

### EDUCATION

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2019-Pres	University of North Carolina Gillings School of Global Public Health <i>Doctoral Candidate, Department of Nutrition, Minor in Epidemiology</i> <i>Advisor: Lindsey Smith Taillie</i> <i>Caroline H. and Thomas S. Royster Fellow</i> <i>Carolina Population Center Population Science Predoctoral Trainee</i>	Chapel Hill, NC
2012-2014	University of North Carolina Gillings School of Global Public Health <i>Master of Public Health in Nutrition, Registered Dietitian</i> <i>Masters Paper: Children's Early Dietary Patterns and Cognitive Development: The Importance of Federal Food Programs</i>	Chapel Hill, NC
2008-2012	University of North Carolina at Chapel Hill <i>Bachelor of Arts in Biology, with Highest Distinction; Minors in Chemistry and Medical Anthropology</i> <i>Phi Beta Kappa</i>	Chapel Hill, NC

### RELEVANT EXPERIENCE

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2015- 2019	<b>Healthy Eating Research, a national program of the Robert Wood Johnson Foundation</b> <i>Senior Research Associate</i> (September 2017-May 2019) <i>Research Associate</i> (May 2016-September 2017) <i>Program Coordinator</i> (January 2015-May 2016)	Durham, NC
Fall 2014	<b>The Food Research and Action Center</b> <i>Child Nutrition Policy Intern</i>	Washington, D.C.
Summer 2014	<b>Wake Forest Baptist Medical Center</b> <i>Dietetic Intern</i>	Winston-Salem, NC
2012-2014	<b>UNC Center for Health Promotion and Disease Prevention</b> <i>Graduate Research Assistant</i>	Chapel Hill, NC
Summer 2012	<b>Self-Help Credit Union</b> <i>Healthy Food Lending Intern</i>	Durham, NC
Spring 2012	<b>Farmer Foodshare</b> <i>UNC Service-Learning Intern</i>	Chapel Hill, NC
2011-2012	<b>UNC Gillings School of Global Public Health</b> <i>Undergraduate Research Assistant</i>	Chapel Hill, NC

### AWARDS, HONORS, and FELLOWSHIPS

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2022	A. Hughes Bryan Outstanding Doctoral Student Award
2021	High Impact Publication Nominee, WIC Research Collaborative
2021	Nutrition & Obesity Policy Research & Evaluation Network Summer Research Stipend Recipient
2021	American Society for Nutrition Emerging Leaders in Nutrition Science Abstract Recognition Award
2022	Carolina Population Center Population Science Traineeship

- 2021 Carolina Population Center Population Science Traineeship
- 2020 Carolina Population Center Population Science Traineeship
- 2019 Caroline H. and Thomas S. Royster Fellowship
- 2015 Delta Omega Academic Excellence Award
- 2011 UNC Chapel Hill Summer Undergraduate Research Fellowship
- 2009 Golden Key International Honor Society

## MANUSCRIPTS PUBLISHED

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16. Hall MG, Lazard AJ, Higgins ICA, Blistein J, **Duffy EW**, Sorscher S, Taillie LS. Nutrition-related claims lead parents to choose less healthy drinks for young children: A randomized trial in a virtual convenience store. *Am J Clin Nutr*. In Press.
15. Musicus AA, Hua SV, Moran AJ, **Duffy EW**, Hall MG, Roberto CA, Dillman Carpentier FR, Sorscher S, Wootan MG, Taillie LS, Rimm EB. Front-of-package claims & imagery on fruit-flavored drinks and exposure by household demographics. *Appetite*. In Press.
14. Richter APC, **Duffy EW**, Taillie LS, Harris JL, Pomeranz JL, Hall MG. The impact of toddler milk claims on beliefs and misperceptions: A randomized experiment with parents for young children. *J Acad Nutr Diet*. 2021.
13. Kay MC, **Duffy EW**, Harnack LJ, Anater AS, Hampton JC, Eldridge AL, Story M. Development and application of a total diet quality index for toddlers. *Nutrients*. 2021.
12. **Duffy EW**, Taillie LS, Richter AP, Higgins ICA, Harris JL, Hall MG. Toddler milk perceptions and purchases: The role of Latino ethnicity. *Public Health Nutr*. 2021.
11. **Duffy EW**, Taillie LS, Richter AP, Higgins ICA, Harris JL, Hall MG. Understanding parents' perceptions of toddler milk: A pilot study with Latino parents. *Int J Environ Res Public Health*. 2021.
10. **Duffy EW**, Hall MG, Dillman Carpentier FR, Musicus AA, Meyer ML, Rimm EB, Taillie LS. Nutrition claims on fruit drinks are inconsistent indicators of nutritional profile: A content analysis of fruit drinks purchased by households with young children. *J Acad Nutr Diet*. 2020.
9. **Duffy EW**, Kay MC, Jacquier E, Catellier D, Hampton J, Anater AS, Story M. Trends in food consumption patterns of US infants and toddlers from feeding infants and toddlers studies (FITS) in 2002, 2008, 2016. *Nutrients*. 2019.
8. **Duffy EW**, Lott MM, Johnson EJ, Story MT. Developing a national research agenda to reduce consumption of sugar-sweetened beverages and increase safe water access and consumption among 0- to 5-year-olds. *Public Health Nutr*. 2019.
7. Story MT, **Duffy EW**. Supporting healthy eating: Synergistic effects of nutrition education paired with policy, systems, and environmental changes. *Nestle Nutr Inst Workshop Ser*. 2019; 92: 69-82.
6. **Welker EB**, Lott MM, Sundermann JL, Bussel JB, Story MT. Integrating healthy eating into evidence-based home visiting models: a review of programs and opportunities for dietetic practice. *J Acad Nutr Diet*. 2018; 119(9):1423-1436.
5. Kay MC, **Welker EB**, Jacquier EF, Story MT. Beverage consumption patterns among infants and young children (0-47.9 months): Data from the Feeding Infants and Toddlers Study, 2016. *Nutrients*. 2018; 10(7): 825.
4. **Welker EB**, Jacquier EF, Catellier DJ, Anater AS, Story MT. Room for improvement remains in food consumption patterns of young children aged 2–4 years. *J Nutr*. 2018; 148(9S): 1536S-1546S.
3. Ward DS, **Welker EB**, Choate A, Henderson KE, Lott M, Tovar A, Wilson A, Sallis, JF. Strength of obesity prevention interventions in early care and education settings: A systematic review. *Prev Med*. 2017; 95 Suppl:S37-S52.
2. **Welker EB**, Lott M, Story MT. The school food environment and obesity prevention: progress over the last decade. *Curr Obes Rep*. 2016; 5(2):145-155.
1. Tandon PS, Tovar A, Jayasuriya AT, **Welker EB**, Schober DJ, Copeland K, Dev DA, May-Murriel AL, Amso D, Ward DS. The relationship between physical activity and diet and young children's cognitive development: A systematic review. *Prev Med Rep*. 2016. 22(3): 379-390.

## MANUSCRIPTS UNDER REVIEW

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4. **Duffy EW**, Vest DA, Richards CR, Hall MG, De Marco M, Ng SW, Taillie LS. (Under Review). “I think that’s the most beneficial change that WIC has made in a really long time”: Perceptions and Awareness of an Increase in the WIC Cash Value Benefit. *International Journal of Environmental Research and Public Health*.
3. **Duffy EW**, Lo AE, Hall MG, Taillie LS, Ng SW. (Revise and Resubmit). Demographic Characteristics of Online Grocery Shoppers: Results from a Nationally Representative Survey. *Public Health Nutr*.
2. **Duffy EW**, Ng SW, Hall MG, Bercholz M, Rebolledo N, Musicus AA, Taillie LS. (Under Review). Sociodemographic disparities in purchases of fruit drinks with policy relevant front-of-package nutrition claims. *Public Health Nutrition*.
1. Lo A, **Duffy EW**, Ng SW. (Under Review) Urban-Rural Differences in a Chain Supermarket’s Sales to SNAP Shoppers before and since the COVID-19 Pandemic. *Journal of Nutrition Education and Behavior*.

## REPORTS

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2. Lott M, Callahan E, **Duffy E**, Story M, Daniels S. Healthy beverage consumption in early childhood: recommendations from key national health and nutrition organizations: Technical scientific report. Durham, NC: Healthy Eating Research, 2019. Available at <https://healthyeatingresearch.org/research/technical-scientific-report-healthy-beverage-consumption-in-early-childhood-recommendations-from-key-national-health-and-nutrition-organizations/>.
1. Miller A, Dawson L, **Welker E**. Early life stress and childhood obesity risk. Durham, NC: Healthy Eating Research. 2017. Available at: <http://healthyeatingresearch.org/research/stress-in-early-life-and-childhood-obesity-risk/>.

## PRESENTATIONS

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23. **Duffy EW**, Taillie LS, Ng SW. Estimating the Effects of COVID-19 on WIC Participant Food Purchases. Poster presented at the 2022 American Society for Nutrition conference, virtual due to COVID-19. June 2022.
22. Lo A, **Duffy EW**, Ng SW. Urban-Rural Differences in a Chain Supermarket’s Sales to SNAP Shoppers before and since the COVID-19 Pandemic. Poster presented at the 2022 American Society for Nutrition conference, virtual due to COVID-19. June 2022.
21. Richter APC, **Duffy EW**, Avendano-Galdamez MI, Hall MG. Toddler milk feeding practices and the role of health claims: a qualitative study. Poster presentation at the 21st International Society of Behavioral Nutrition and Physical Activity meeting. Phoenix, AZ. May 2022.
20. **Duffy EW**, Hall MG, Musicus AA. Reducing Disparities in SSB Intake in Early Childhood: Examining the Impact of Claims and Imagery on Fruit Drink Purchases. Invited Presentation for the Center for Science in the Public Interest. April 2022.
19. **Duffy EW**, Taillie LS, Ng SW. Estimating the Effects of COVID-19 on WIC Participant Food Purchases. Poster presented at the 2022 Healthy Eating Research Annual Grantee Meeting, virtual due to COVID-19. April 2022.
18. Hall MG, Lazard AJ, Higgins ICA, Blitstein JL, **Duffy EW**, Greenthal E, Sorscher S, Taillie LS. Nutrition-related claims lead parents to choose less healthy drinks for young children: A randomized trial in a virtual convenience store. Paper presented at the 2021 American Public Health Association Annual Conference, Denver, CO and virtual.
17. **Duffy EW**, Lo AE, Hall MG, Taillie LS, Ng SW. Who’s Grocery Shopping Online: Results from a Nationally Representative Cross-Sectional Survey. *Nutrition and Obesity Prevention and Research Evaluation Network Student Research Spotlight*. August 2021.
16. **Duffy EW**, Ng SW, Hall MG, Bercholz M, Rebolledo N, Musicus AA, Taillie LS. Examining Sociodemographic Disparities in Household Purchases of Fruit Drinks with Policy-Relevant Nutrition Claims. Poster presented at the 2021 American Society for Nutrition conference, virtual due to COVID-19.
15. Lo A, **Duffy EW**, Hall MG, Taillie LS, Ng SW. Who’s Grocery Shopping Online and Why: Cross-Sectional Analysis of a Nationally-Representative Sample Since the Pandemic. Paper presented at the 2021 American Society for Nutrition conference, virtual due to COVID-19.

14. Richter APC, **Duffy EW**, Taillie LS, Harris JL, Pomeranz JL, Hall MG (Under Review). The impact of toddler milk claims on beliefs and misperceptions: A randomized experiment with parents of young children. Paper presented at the ISBNPA XChange 2021, virtual due to COVID-19.
13. **Duffy EW**, Ng SW, Hall MG, Bercholz M, Rebolledo N, Musicus AA, Taillie LS. Examining Sociodemographic Disparities in Household Purchases of Fruit Drinks with Policy-Relevant Nutrition Claims. Nutrition and Obesity Prevention and Research Evaluation Network Early Childhood Working Group Student Research Spotlight. April 2021.
12. Richter AP, **Duffy EW**, Taillie LS, Harris JL, Pomeranz JL, Hall MG. The impact of toddler milk claims on beliefs and misperceptions: A randomized experiment with parents of young children. Nutrition and Obesity Prevention and Research Evaluation Network Early Childhood Working Group Student Research Spotlight. April 2021.
11. **Duffy EW**, Hall MG, Dillman Carpentier FR, Lazard AJ, Higgins ICA, Blistein J, Musicus AA, Meyer ML, Sorscher S, Rimm EB, Taillie LS. Reducing Disparities in SSB Intake in Early Childhood: Examining the Impact of Claims on Fruit Drink Purchases. Invited presentation at The Rudd Center for Food Policy & Obesity, University of Connecticut. January 2021.
10. **Duffy EW**, Taillie LS, Richter AP, Higgins ICA, Harris JL, Hall MG. Exploring Toddler Milk Perceptions and Behaviors among Latino and Non-Latino Parents. Paper presented at the 2020 ObesityWeek Conference of The Obesity Society, virtual due to COVID-19.
9. **Duffy EW**, Hall MG, Dillman Carpentier FR, Musicus AA, Meyer ML, Rimm EB, Taillie LS. Examining nutrition-related claims on 'fruit' drinks. Poster presented at the 2020 ObesityWeek Conference of The Obesity Society, virtual due to COVID-19.
8. Musicus AA, Hua SV, Moran AJ, **Duffy EW**, Hall MG, Roberto CA, Dillman Carpentier FR, Sorscher S, Wootan MG, Taillie LS, Rimm EB. Assessing Household Exposure to Front-of-Package Beverage Marketing. Oral Presentation, 2020 ObesityWeek Conference of The Obesity Society, virtual due to COVID-19.
7. **Duffy EW**, Hall MG, Dillman Carpentier FR, Musicus AA, Meyer ML, Rimm EB, Taillie LS. Nutrition-related Claims on Fruit Drinks: A Content Analysis, Healthy Eating Research 14<sup>th</sup> Annual Grantee Meeting, Denver, CO. March 2020.
6. **Welker EB**. Rapid Response Research to Inform Voices for Healthy Kids, American Heart Association Voices for Healthy Kids Policy Research Summit, Durham, NC. December 2017.
5. **Welker EB**. Feeding Guidelines for Infants and Young Toddlers: A Responsive Parenting Approach, Biennial Childhood Obesity Conference, San Diego, CA. May 2017.
4. **Welker EB**. Healthy Eating Research: Healthy Food Retail and SNAP-Ed Resources, National Collaborative on Childhood Obesity Research Workshop, Washington, D.C. October 2016.
3. **Welker EB**. The Impact of the First 1,000 Days on Childhood Obesity, North Carolina WIC Program Annual Meeting, Raleigh, NC. September 2016.
2. **Welker EB**. Rapid Response Research to Inform Voices for Healthy Kids, American Heart Association Voices for Health Kids Policy Research Summit, Baltimore, MD. April 2016.
1. **Welker EB**. Children's Early Dietary Patterns and Cognitive Development: The Importance of Federal Food Programs, Early Care and Education Working Group, teleconference. March 2015.

## **TEACHING EXPERIENCE**

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Co-Instructor

NUTR 696-Sodas, Snacks, and Sustainability: Global Food Policies for Healthy Diets, 15 students  
University of North Carolina at Chapel Hill, Fall 2022

Guest Lecturer

HBEH 752- Health Behavior Survey Methods, 32 students  
"Coding Open-Ended Items: Parent Perceptions of Nutrition Claims on Toddler Milk"  
University of North Carolina at Chapel Hill, Spring 2021 and Spring 2022

Teaching Assistant

NUTR 813 - Nutritional Epidemiology, 40 students

University of North Carolina at Chapel Hill, Spring 2020

Discussion Leader

NUTR 240 - Introduction to Human Nutrition, 10 students

University of North Carolina at Chapel Hill, Fall 2019

## **MENTORSHIP**

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Emerald Izuakor, Fellowship in Exploring Research in Nutrition Fellow, Fellowship Advisor

Alexandra Adair, Undergraduate Student at UNC Chapel Hill, Independent Study Advisor

Daniele Vest, MSPH RD, Johns Hopkins Bloomberg School of Public Health, Dietetic Internship Preceptor

Amy Lo, BSPH Student in Nutrition Department at UNC Chapel Hill Gillings School of Global Public Health, Honors Thesis Co-Advisor

Kirsten Arm, MPH, RD University of Minnesota, Masters Thesis Committee Member. "Understanding the Determinants of Sugar-Sweetened Beverage Consumption and Safe Water Access and Consumption and Identifying Successful Strategies to Improve Beverage Patterns in Early Childhood among High-Risk Groups: Interviews with Researchers and Leaders"

## **PROFESSIONAL SERVICE**

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2022-present *Society for Nutrition Education and Behavior DigiTech Division*, Secretary

2021-2022 *UNC Graduate and Professional Student Government*, Senator

2020-present *UNC Nutrition Anti-Racist Collective*, member

2020-present *Global Food Research Program Facing Our Racism Research Subgroup*, member

2017-present *Ad Hoc Reviewer for: Appetite, Nutrients, Nutrition Reviews, Public Health Nutrition, Health Policy, Translational Behavioral Medicine, International Journal of Behavioral Nutrition and Physical Activity*

2019-2020 *UNC Chapel Hill Nutrition Department Alumni Advancement Council*, member

2019-2020 *UNC Chapel Hill Food Justice Alliance*, Secretary

2018-2019 *American Public Health Association: Governing Councilor*, Food and Nutrition Section

2017-2018 *American Public Health Association: Program Chair*, Food and Nutrition Section

2017 *Food Research and Action Center Child and Adult Care Food Program Convening: Planning Committee Member*

2017 *American Public Health Association: Food and Nutrition Liaison*, Food and Environment Working Group

2016-present *American Public Health Association: Abstract Reviewer*, Food and Nutrition Section

2016-present *American Public Health Association: Program Planning Committee*, Food and Nutrition Section

2016-2018 *National Academies of Science, Engineering and Medicine Early Care and Education Innovation Collaborative: Member of CACFP, Family Child Care, and Parent Engagement Working Groups*

2016-2018 *Centers for Disease Control and Prevention Food Service Guidelines Collaborative: Co-Chair; Research and Evaluation Action Group*

2016-2018 *Healthy Duke: Co-Chair; Food and Nutrition Working Group*

## **SOCIETY MEMBERSHIPS**

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2022-present The Obesity Society

2022-present Society for Nutrition Education and Behavior

2021-present Population Association of America  
2021-present American Society for Nutrition  
2015-2020 American Public Health Association  
2014-2018 Academy of Nutrition and Dietetics

**ONGOING RESEARCH SUPPORT**

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Examining facilitators and barriers to utilization of a COVID-19 emergency food program among North Carolina Special Supplemental Nutrition Assistance Program for Women, Infants, and Children (WIC) participants: A feasibility study  
2KR1452103  
NC TRaCS Institute  
Role: Co-Principal Investigator  
01/01/2022-12/31/2022  
\$2,000 total costs

**COMPLETED RESEARCH SUPPORT**

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Examining facilitators and barriers to utilization of the increased WIC Cash Value Benefit among NC WIC participants  
Healthy Eating Research: Robert Wood Johnson Foundation  
Role: Co-Principal Investigator  
12/01/2021-05/31/2022  
\$8,051 total costs