

## **Dr. Stephanie Mazzucca**

Washington University in St. Louis

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### **Education**

PhD, University of North Carolina at Chapel Hill, 2017.

Major: Nutrition Intervention & Policy

Supporting Areas of Emphasis: Epidemiology

Dissertation Title: Physical Activity and Sedentary Behavior in Early Care and Education

Centers: Identifying Opportunities and Testing Strategies to Support Active Classroom

Environments

BS, University of North Carolina at Chapel Hill, 2008.

Major: Biology

Supporting Areas of Emphasis: Chemistry and Classical Humanities

### **Academic, Government, Military and Professional Positions**

#### **Professional**

Assistant Professor, Washington University in St. Louis. (2019 - Present).

Adjunct Instructor, Washington University in St. Louis. (2018 - Present).

Lead Consultant, Washington University in St. Louis. (2018 - Present).

Research Consultant, University of North Carolina at Chapel Hill. (2013 - Present).

Postdoctoral Research Associate, Washington University in St. Louis. (2017 - 2018).

Graduate Research Assistant, University of North Carolina at Chapel Hill. (2011 - 2017).

Assistant Project Manager, University of North Carolina at Chapel Hill. (2009 - 2011).

Research Assistant, University of North Carolina at Chapel Hill. (2008 - 2011).

Research Assistant, University of North Carolina at Chapel Hill. (2005 - 2009).

#### **Awards and Honors**

Outstanding Poster Award, Institute of Public Health Annual Conference. (October 2018).

Interventions for Preventing & Managing Chronic Illness Training Grant (T32NR007091), National Institutes of Health, National Institute of Nursing Research. (2015).

Principal Investigator (\$60,900), General Mills Macro Foundation. (2015).

Interventions for Preventing & Managing Chronic Illness Training Grant (T32NR007091), National Institutes of Health, National Institute of Nursing Research. (2014).

UNC Gillings School of Global Public Health's Class of 2014 Scholarship,, University of North Carolina at Chapel Hill. (2014).

Interdisciplinary Training in Maternal and Child Obesity Training Grant (T32HD57824),, National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health & Human Development. (2013).

Interventions for Preventing & Managing Chronic Illness Training Grant (T32NR007091),, National Institutes of Health, National Institute of Nursing Research. (2013).

Interdisciplinary Training in Maternal and Child Obesity Training Grant (T32HD57824),, National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health & Human Development. (2012).

UNC Gillings School of Global Public Health Merit Scholarship, University of North Carolina at Chapel Hill. (2012).

UNC Gillings School of Global Public Health Merit Scholarship,, University of North Carolina at Chapel Hill. (2011).

## **TEACHING**

### **Teaching Experience**

**Washington University in St. Louis**  
U29 204, Nutrition, 7 courses.

### **Non-Credit Instruction**

Guest Lecture, Mentored Training in Implementation Science (K12HL137942) summer training institute, Washington University in St. Louis. (August 2019).

Guest Lecture, Dissemination and Implementation Research Course, Washington University School of Medicine in St. Louis. (February 2019).

Guest Lecture, Transdisciplinary Problem Solving: Chronic Disease: Obesity Prevention & Public Health Policy, Brown School. (September 2018).

Guest Lecture, Mentored Training in Implementation Science (K12HL137942) summer training institute, Washington University in St. Louis. (August 2018).

Guest Lecture, Dissemination and Implementation Research Course, Washington University School of Medicine in St. Louis. (February 2018).

Workshop, International Society for Behavioral Nutrition and Physical Activity, 40 participants. (June 2017).

## **RESEARCH**

### **Published Intellectual Contributions**

#### **Refereed Journal Articles**

Mazzucca, S., Valko, C. A., Eyler, A. A., Macchi, M., Lau, A., Alongi, J., Robitscher, J., Brownson, R. C. (in press). Practitioner perspectives on building capacity for evidence-based public

- health in state health departments in the United States: A qualitative case study. *Implementation Science Communications*.
- Luecking, C. T., Mazzucca, S., Vaughn, A. E., Ward, D. S. (in press). Contributions of home and early care and education to preschool-aged children's diet quality. *Journal of the Academy of Nutrition and Dietetics*.
- Allen, P., Mazzucca, S., Parks, R. G., Robinson, M., Tabak, R. G., Brownson, R. C. (2019). Local health department accreditation is associated with organizational supports for evidence-based decision making. *Frontiers in Public Health - Public Health Education and Promotion*, 7, 374. <https://www.frontiersin.org/journals/public-health>
- Phad, A., Johnston, S., Tabak, R. G., Mazzucca, S., Haire-Joshu, D. L. (2019). Developing priorities to achieve health equity through diabetes translation research: A concept mapping study. *BMJ Open Diabetes Research and Care*, 7(1). [https://api.elsevier.com/content/abstract/scopus\\_id/85076708126](https://api.elsevier.com/content/abstract/scopus_id/85076708126)
- Mazzucca, S., Parks, R. G., Tabak, R. G., Allen, P., Dobbins, M., Stamatakis, K. A., Brownson, R. C. (2019). Assessing Organizational Supports for Evidence-Based Decision Making in Local Public Health Departments in the United States: Development and Psychometric Properties of a New Measure. *Journal of Public Health Management and Practice*, 25(5), 454-463. [https://api.elsevier.com/content/abstract/scopus\\_id/85069158250](https://api.elsevier.com/content/abstract/scopus_id/85069158250)
- Erwin, P. C., Parks, R. G., Mazzucca, S., Allen, P., Baker, E. A., Hu, H., Davis-Joyce, J., Brownson, R. C. (2019). Evidence-based public health provided through local health departments: Importance of academic-practice partnerships. *American Journal of Public Health*, 109(5), 739-747. [https://api.elsevier.com/content/abstract/scopus\\_id/85064726617](https://api.elsevier.com/content/abstract/scopus_id/85064726617)
- Eyler, A. A., Valko, C. A., Macchi, M., Fershteyn, Z., Mazzucca, S., Brownson, C. A., Lau, A., Brownson, R. C. (2019). Adjusting the Equity Lens: Gaps in Addressing Health Equity in State Chronic Disease Prevention. *Health Equity*, 3(1), 86-91.
- Franco, M., Mazzucca, S., Padek, M., Brownson, R. C. (2019). Going beyond the individual: How state-level characteristics relate to HPV vaccine rates in the United States 11 Medical and Health Sciences 1117 Public Health and Health Services. *BMC Public Health*, 19(1). [https://api.elsevier.com/content/abstract/scopus\\_id/85062327935](https://api.elsevier.com/content/abstract/scopus_id/85062327935)
- Luecking, C. T., Mazzucca, S., Vaughn, A. E., Ward, D. S. (2018). Considerations for Overcoming Challenges to Assess Dietary Intake in Early Childhood. *Weight Management Dietetics Practice Group of the Academy of Nutrition and Dietetics*.
- Mazzucca, S., Neshteruk, C., Burney, R., Vaughn, A. E., Hales, D., Østbye, T., Ward, D. (2018). Physical activity and sedentary behaviors of children in family child care homes: Are there opportunities for improvement? *Pediatric Exercise Science*, 30(4), 529-536. [https://api.elsevier.com/content/abstract/scopus\\_id/85055616753](https://api.elsevier.com/content/abstract/scopus_id/85055616753)
- Tabak, R. G., Parks, R. G., Allen, P., Jacob, R. R., Mazzucca, S., Stamatakis, K. A., Poehler, A. R., Chin, M. H., Dobbins, M., Dekker, D., Brownson, R. C. (2018). Patterns and correlates of use of evidence-based interventions to control diabetes by local health departments across the USA. *BMJ Open Diabetes Research and Care*, 6(1). [https://api.elsevier.com/content/abstract/scopus\\_id/85053339394](https://api.elsevier.com/content/abstract/scopus_id/85053339394)
- Neshteruk, C. D., Mazzucca, S., Østbye, T., Ward, D. S. (2018). The physical environment in family childcare homes and children's physical activity. *Child: Care, Health and Development*, 44(5), 746-752. [https://api.elsevier.com/content/abstract/scopus\\_id/85051234511](https://api.elsevier.com/content/abstract/scopus_id/85051234511)

- Erinosho, T., Vaughn, A., Hales, D., Mazzucca, S., Gizlice, Z., Treadway, C., Kelly, A., Ward, D. (2018). The quality of nutrition and physical activity environments of child-care centers across three states in the southern U.S. *Preventive Medicine*, 113, 95-101. [https://api.elsevier.com/content/abstract/scopus\\_id/85047212465](https://api.elsevier.com/content/abstract/scopus_id/85047212465)
- Benjamin-Neelon, S. E., Vaughn, A. E., Tovar, A., Østbye, T., Mazzucca, S., Ward, D. S. (2018). The family child care home environment and children's diet quality. *Appetite*, 126, 108-113. [https://api.elsevier.com/content/abstract/scopus\\_id/85044975884](https://api.elsevier.com/content/abstract/scopus_id/85044975884)
- Erinosho, T., Vaughn, A., Hales, D., Mazzucca, S., Gizlice, Z., Ward, D. (2018). Participation in the Child and Adult Care Food Program Is Associated with Healthier Nutrition Environments at Family Child Care Homes in Mississippi. *Journal of Nutrition Education and Behavior*, 50(5), 441-450. [https://api.elsevier.com/content/abstract/scopus\\_id/85044633819](https://api.elsevier.com/content/abstract/scopus_id/85044633819)
- Padek, M., Allen, P., Erwin, P. C., Franco, M., Hammond, R., Heuberger, B., Kasman, M., Luke, D. A., Mazzucca, S., Moreland-Russell, S. M., Brownson, R. C. (2018). Toward optimal implementation of cancer prevention and control programs in public health: A study protocol on mis-implementation. *Implementation Science*, 13(1). [https://api.elsevier.com/content/abstract/scopus\\_id/85044336313](https://api.elsevier.com/content/abstract/scopus_id/85044336313)
- Mazzucca, S., Tabak, R. G., Pilar, M., Ramsey, A. T., Baumann, A. A., Kryzer, E., Lewis, E. M., Padek, M., Powell, B., Brownson, R. C. (2018). Variation in Research Designs Used to Test the Effectiveness of Dissemination and Implementation Strategies: A Review. *Frontiers in public health*, 6, 32.
- Mazzucca, S., Hales, D., Evenson, K. R., Ammerman, A., Tate, D. F., Berry, D. C., Ward, D. S. (2018). Physical activity opportunities within the schedule of early care and education centers. *Journal of Physical Activity and Health*, 15(2), 73-81. [https://api.elsevier.com/content/abstract/scopus\\_id/85055787756](https://api.elsevier.com/content/abstract/scopus_id/85055787756)
- Luecking, C. T., Hennink-Kaminski, H., Ihekweazu, C., Vaughn, A., Mazzucca, S., Ward, D. S. (2017). Social marketing approaches to nutrition and physical activity interventions in early care and education centres: a systematic review. *Obesity Reviews*, 18(12), 1425-1438. [https://api.elsevier.com/content/abstract/scopus\\_id/85030470520](https://api.elsevier.com/content/abstract/scopus_id/85030470520)
- Ward, D. S., Vaughn, A. E., Mazzucca, S., Burney, R. (2017). Translating a child care based intervention for online delivery: Development and randomized pilot study of Go NAPSACC. *BMC Public Health*, 17(1). [https://api.elsevier.com/content/abstract/scopus\\_id/85034732679](https://api.elsevier.com/content/abstract/scopus_id/85034732679)
- Vaughn, A. E., Mazzucca, S., Burney, R., Østbye, T., Benjamin Neelon, S. E., Tovar, A., Ward, D. S. (2017). Assessment of nutrition and physical activity environments in family child care homes: Modification and psychometric testing of the Environment and Policy Assessment and Observation. *BMC Public Health*, 17(1). [https://api.elsevier.com/content/abstract/scopus\\_id/85028527402](https://api.elsevier.com/content/abstract/scopus_id/85028527402)
- Erinosho, T., Hales, D., Vaughn, A., Mazzucca, S., Ward, D. S. (2016). Impact of policies on physical activity and screen time practices in 50 child-care centers in North Carolina. *Journal of Physical Activity and Health*, 13(1), 59-66. [https://api.elsevier.com/content/abstract/scopus\\_id/84962228231](https://api.elsevier.com/content/abstract/scopus_id/84962228231)
- Ward, D. S., Mazzucca, S., McWilliams, C., Hales, D. (2015). Use of the Environment and Policy Evaluation and Observation as a Self-Report Instrument (EPAO-SR) to measure nutrition and physical activity environments in child care settings: Validity and reliability evidence. *International Journal of Behavioral Nutrition and Physical Activity*, 12(1). [https://api.elsevier.com/content/abstract/scopus\\_id/84942237005](https://api.elsevier.com/content/abstract/scopus_id/84942237005)

Hales, D., Vaughn, A. E., Mazzucca, S., Bryant, M. J., Tabak, R. G., McWilliams, C., Stevens, J., Ward, D. S. (2013). Development of HomeSTEAD's physical activity and screen time physical environment inventory. *International Journal of Behavioral Nutrition and Physical Activity*, 10. [https://api.elsevier.com/content/abstract/scopus\\_id/84889000388](https://api.elsevier.com/content/abstract/scopus_id/84889000388)

Fotheringham, J. A., Mazzucca, S., Raab-Traub, N. (2010). Epstein-Barr virus latent membrane protein-2A-induced  $\Delta$ np63 $\alpha$  expression is associated with impaired epithelial-cell differentiation. *Oncogene*, 29(30), 4287-4296. [https://api.elsevier.com/content/abstract/scopus\\_id/77955172208](https://api.elsevier.com/content/abstract/scopus_id/77955172208)

## Journal Articles

Ward, D. S., Neshteruk, C. D., Mazzucca, S. (2020). Means of Optimizing Physical Activity in the Preschool Environment: A Commentary on Coe (2019). *American Journal of Lifestyle Medicine*, 14(1), 28-31. [https://api.elsevier.com/content/abstract/scopus\\_id/85074493702](https://api.elsevier.com/content/abstract/scopus_id/85074493702)

## Presentations Given

Allen, P. (Author), Pilar, M. (Author), Walsh-Bailey, C. (Author), Hooley, C. (Author), Mazzucca, S. (Author & Presenter), Lewis, C. C. (Author), Mettert, K. D. (Author), Dorsey, C. N. (Author), Kepper, M., Purtle, J. (Author), Baumann, A. A. L. (Author), Brownson, R. C. (Author), 12th Annual Conference on the Science of Dissemination and Implementation in Health, "How are health policy implementation outcomes measured quantitatively? A systematic review," National Institutes of Health, Academy Health, Alexandria, United States. (December 2019).

Mazzucca, S., Erwin, P., Parks, R., Allen, P., Baker, E., Davis-Joyce, J., Brownson, R. C., "Advancing evidence-based public health through Academic Health Department partnerships in the United States," American Public Health Association. (November 2019).

Allen, P., Hooley, C. (Author), Pilar, M. (Author & Presenter), Lewis, C. C. (Author), Mettert, K. D. (Author), Dorsey, C. N. (Author), Purtle, J. (Author), Mazzucca, S. (Author), Baumann, A. A. L. (Author), Kepper, M. (Author), Brownson, R. C. (Author), 5th Biennial Conference of the Society for Implementation Research, "How are health policy implementation outcomes measured quantitatively? A review protocol," Society for Implementation Research, Seattle, United States. (September 2019).

Mazzucca, S., "Variation in Research Designs Used to Test the Effectiveness of Dissemination and Implementation Strategies: A Review," Implementation Research Institute. (June 2019).

Mazzucca, S., "Assessing organizational supports for evidence-based decision making in local public health departments in the United States: development and psychometric properties of a new measure," Institute of Public Health Annual Conference, St. Louis, MO, United States. (October 2018).

Mazzucca, S., Parks, R., Tabak, R. G., Stamatakis, K., Allen, P., Dobbins, M., Brownson, R. C., "Assessing organizational supports for evidence-based decision making in local public health departments in the United States: development and psychometric properties of a new measure," Institute of Public Health. (October 2018).

Mazzucca, S., "Dissemination and Implementation Research and Tribal Health Research," National Congress of American Indians Policy Research Center Monthly Webinar Series. (April 2018).

Mazzucca, S., "The nuts and bolts of dissemination and implementation research: Navigating study designs, theories, frameworks and models," International Society for Behavioral Nutrition and Physical. (February 2018).

- Mazzucca, S., "Environmental correlates of physical activity for children in family child care homes," Annual Meeting, Victoria, Canada. (June 2017).
- Mazzucca, S., "How are Teacher Characteristics, Structured Activity Time and Child MVPA in Early Care and Education Centers Related?," The Obesity Society Annual Meeting, Los Angeles, CA, United States. (November 2015).
- Mazzucca, S., "How does child care teacher BMI affect relationships between teacher PA practices and teacher-led PA?," International Society for Behavioral Nutrition and Physical Activity Annual Meeting, Edinburgh, United Kingdom. (June 2015).
- Mazzucca, S., "Does the choice of child adiposity measure affect the estimation of the relationship between parent feeding style and change in adiposity?," The Obesity Society Annual Meeting, Boston, MA, United States. (November 2014).
- Mazzucca, S., "Characterizing the Home Food Environment Using Cluster Analysis," International Society for Behavioral Nutrition and Physical Activity Annual Meeting, San Diego, CA, United States. (May 2014).
- Mazzucca, S., "How do field measures of adiposity compare among preschool-aged children?," The Obesity Society Annual Meeting, Atlanta, GA, United States. (November 2013).
- Mazzucca, S., "Are Nutrition Policies Related to Diet Quality at Childcare?," The Obesity Society Annual Meeting, San Diego, CA, United States. (October 2010).
- Mazzucca, S., "Are Center and Center Director Characteristics Related to Diet Quality at Childcare?," International Society for Behavioral Nutrition and Physical Activity Annual Meeting, Minneapolis, MN, United States. (June 2010).

## **Contracts, Grants and Sponsored Research**

### **Internal Funding (WUSTL)**

- Mazzucca, S. (Co-Investigator), Allen, M. (. (Principal Investigator (PI)), Mazzucca, S. (Co-Investigator), "Review of Measures of Policy Implementation Predictors and Outcomes," Sponsored by Barnes Jewish Hospital Foundation, Foundation, \$78,253.00. (March 1, 2019 - February 29, 2020).

### **Other**

- Mazzucca, S., "Washington University Center for Diabetes Translation Research," Sponsored by NIH - National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Federal Government. (September 2, 2017 - July 31, 2021).
- Mazzucca, S. (Co-Investigator), "Enhancing Evidence-based Diabetes Control Among Local Health Departments," Sponsored by NIH - National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Federal Government. (July 1, 2016 - June 30, 2021).
- Mazzucca, S. (Co-Investigator), "Mis-Implementation in Cancer Prevention and Control," Sponsored by NIH - National Cancer Institute (NCI), Federal Government. (July 1, 2016 - June 30, 2021).
- Mazzucca, S., "Johns Hopkins Center for Health Disparities Solutions," Sponsored by NIH - National Institute on Minority Health and Health Disparities (NIMHD), Federal Government. (January 1, 2019 - December 31, 2019).

Mazzucca, S. (Graduate Research Assistant), "Our Year of Healthy Living: A Social Marketing Intervention for Child Care & Home," Sponsored by NIH - National Heart, Lung, and Blood Institute (NHLBI), Federal Government. (January 1, 2014 - December 31, 2018).

Mazzucca, S. (Postdoctoral Research Scholar), "Disseminating Evidence-based Interventions to Control Cancer," Sponsored by NIH - National Cancer Institute (NCI), Federal Government. (May 3, 2012 - March 31, 2018).

Mazzucca, S., "Preventing Obesity in Infants and Toddlers (Baby NAP SACC)," Sponsored by NIH - National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Federal Government. (January 1, 2013 - December 31, 2017).

Mazzucca, S. (Graduate Research Assistant), "Enhancing the Measurement of Nutrition and Physical Activity Environments at Early Care and Education," Sponsored by Robert Wood Johnson Foundation (RWJF), Foundation. (April 1, 2016 - June 30, 2017).

Mazzucca, S., "The Business of Childcare Homes & Child Health: Innovations for Nurturing Growth," Sponsored by NIH - National Heart, Lung, and Blood Institute (NHLBI), Federal Government. (May 1, 2012 - April 30, 2017).

Mazzucca, S. (Principal Investigator (PI)), "Creating Active Classrooms in Early Care and Education Centers," Sponsored by OTHER, Foundation. (September 20, 2015 - January 31, 2016).

Mazzucca, S. (Graduate Research Assistant), "Evaluation of Go NAP SACC, a Web-based Tool Based on the NAP SACC (Nutrition and Physical Activity Self-Assessment for Child Care) Program," Sponsored by Robert Wood Johnson Foundation (RWJF), Foundation. (February 1, 2014 - July 31, 2015).

Mazzucca, S. (Graduate Research Assistant), "Healthy Child Weight through Improved Parenting Practices and Environmental Change," Sponsored by NIH - National Heart, Lung, and Blood Institute (NHLBI), Federal Government. (September 15, 2008 - December 31, 2013).

Mazzucca, S., "HomeSTEAD: the Home Self-administered Tool for Environmental Assessment of Activity and Diet," Sponsored by NIH - National Cancer Institute (NCI), Federal Government. (December 1, 2009 - November 30, 2011).

Mazzucca, S. (Graduate Research Assistant), "Development of a Self-Report Instrument to Assess Nutrition Environments of Child Care Settings," Sponsored by Robert Wood Johnson Foundation (RWJF), Foundation. (April 1, 2008 - August 31, 2009).

#### **U48 - Cooperative Agreements: Health Promotion and Disease Prevention Research Centers**

Salvo, D. (Co-Investigator), Mazzucca, S. (Co-Investigator), Eyler, A. (Principal Investigator (PI)), Barker, A. (Co-Investigator), Salvo, D. (Co-Investigator), Siqueira Reis, R. (Co-Investigator), Mazzucca, S. (Co-Investigator), "Physical Activity Policy Research and Evaluation Network (PAPREN)," Sponsored by Centers for Disease Control and Prevention (CDC), Federal Government, \$1,498,825.00. (September 30, 2019 - September 29, 2024).

### **Intellectual Contributions in Submission**

#### **Refereed Journal Articles**

Neshteruk, C. D., Mazzucca, S., Vaughn, A. E., Jones, D. J., Ward, D. S. Identifying patterns of parent physical activity and screen time practices and associations with child physical activity and adiposity. *Preventive Medicine Reports*.

## **SERVICE**

### **University Service**

Faculty Advisor, Washington University in St. Louis Dance Marathon. (2019 - Present).

Committee Member, Washington University in St. Louis Wellness Champion. (2018 - Present).

UNC Nutrition Department doctoral student representative. (2014 - 2017).

UNC Nutrition Department curriculum development task force student representative. (2015).

### **Professional Service**

Reviewer, Journal Article, BMC Public Health. (2019 - Present).

Reviewer, Journal Article, Journal of Nutrition Education and Behavior. (2019 - Present).

Reviewer, Journal Article, Nutrition and Dietetics. (2019 - Present).

Faculty Advisory, Washington University in St. Louis Dance Marathon, Faculty Advisor. (2019 - Present).

External Reviewer, Health Forward Foundation Healthy Communities pilot grant external reviewer. (2018 - Present).

Reviewer, Journal Article, Journal of Public Health Management and Practice. (2018 - Present).

Member, International Society for Behavioral Nutrition and Physical Activity Early Care and Education Special Interest Group, Secretary and member. (2014 - 2018).

Officer, Secretary, International Society for Behavioral Nutrition and Physical Activity Early Care and Education Special Interest Group, Secretary and member. (2014 - 2018).

Student Representative, The Obesity Society Epidemiology and Population Health Section, Student representative. (2016 - 2017).

Student Representative, UNC Nutrition Department doctoral student representative. (2014 - 2017).

Officer, Secretary, Robert Wood Johnson Foundation Healthy Eating Research Early Care and Education Workgroup, Secretary. (2014 - 2016).

Student Representative, UNC Nutrition Department curriculum development task force student representative. (2015).