Bethany A. Bell, PhD, MPH

University of Virginia
School of Education and Human Development
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Areas of Specialization

I am an education and public health scientist committed to the principles of multidisciplinary research and collaborative teaching and learning. Within education science I focus on (1) multilevel modeling as an area of methodological inquiry and (2) strengthening methodological capacity among applied researchers. In both areas, the aim of my research is to make statistical analyses and research methodologies more accessible to applied social science researchers, thus allowing them to conduct more robust analyses. Within public health science, as a team science statistician, I primarily focus on food access, diet quality, and food insecurity, as well as areas of child and adolescent health and development, such as physical activity and BMI, access to services for child with autism spectrum disorder, and language development.

Education History

PhD, 2008	University of South Florida (USF) Self-Created Dual Specialization: Educational Measurement and Research and Community & Family Health
MPH, 2002	University of Oklahoma Health Sciences Center (OUHSC) Health Promotion Sciences
BA, 1997	Mary Washington College (MWC) Sociology

Employment History

2023 to present	Inclusive Excellence Faculty Fellow, School of Education and Human Development, University of Virginia
2021 to present	Associate Professor, School of Education and Human Development, University of Virginia
2021 to 2023	Department Chair, Education Leadership, Foundations, and Policy, School of Education and Human Development, University of Virginia
2021 to 2025	Affiliate Faculty, Center for Race and Public Education in the South, University of Virginia
2021 to present	Affiliate Faculty, YouthNex, University of Virginia
2017	Visiting Professor, College of Commerce, Addis Ababa University, Ethiopia
2017	Visiting Professor, College of Education, Augusta University
2015 to 2020	Associate Professor (with tenure), College of Social Work, University of South Carolina
2014	Associate Professor (with tenure), Educational Psychology and Research, College of Education, University of South Carolina
2008 to 2014	Assistant Professor, Educational Psychology and Research, College of Education, University of South Carolina

2008 to 2020	Affiliate Faculty, Research Consortium on Children and Families, University of South Carolina
2008 to 2020	Affiliate Faculty, Center for Research in Nutrition and Health Disparities
2006 to 2008	Consultant, Consulting Office for Research in Education, University of South Florida
2007 to 2008	External Evaluator, Florida Cancer Clinical Trial Physician/Patient Information and Education Program, University of South Florida
2005 to 2007	Graduate Research Assistant, Center for Research, Evaluation, Assessment, and Measurement, University of South Florida
2005 to 2006	Graduate Research Assistant, Dr. Kathleen O'Rourke, University of South Florida
2005 to 2006	Project Coordinator, Faces of Lung Cancer Project, H. L. Lee Moffitt Cancer Center, Tampa, FL
2004 to 2005	Graduate Research Assistant, National Training Collaborative for Social Marketing, University of South Florida
2002 to 2005	Graduate Research Assistant, Methods and Evaluation Unit, Florida Prevention Research Center, University of South Florida
2001 to 2002	Community Health Educator, Epidemiology Division, Oklahoma City-County Health Department
2000 to 2001	Graduate Research Assistant, Healthy, Empowered, and Responsible Teens of Oklahoma City, Oklahoma City, OK
1999 to 2000	Caring Vans Program Coordinator, The Oklahoma Caring Foundation, Inc., Tulsa, OK
1998 to 1999	AmeriCorps Member, Tulsa Area Chapter American Red Cross, Tulsa, OK
1997 to 1998	AmeriCorps Member, National AIDS Fund, Tulsa, OK

Honors and Awards

(Partial listing from 2007 - present)

2025	University of Virginia Student Council Jefferson Cup Award
2025	School of Education and Human Development Lasting Legacy Award, University of Virginia
2025	Graduate Student Paper Presentation award by the Survey Research in Education SIG, AERA Annual Meeting
2024	School of Education and Human Development Lasting Legacy Award, University of Virginia
2023	School of Education and Human Development Lasting Legacy Award, University of Virginia
2020	Gamecocks Stand Up Hero Award, University of South Carolina, Student Health Services
2020	Meritorious Service Award, University of South Caroline, Office of the President
2017	Two Thumbs Up Award, University of South Carolina, Office of Student Disability Services
2016, 2017	Dean Travel Award, University of South Carolina, College of Social Work
2014 to 2016	National Institutes of Health, Loan Repayment Program Award in Health Disparities Research, National Institute on Minority Health and Health Disparities (NIMHD)

2014	Early Career Award in Service, University of South Carolina, College of Education
2014	Distinguished Paper Award, South Carolina Educators for the Practical Use of Research
2013	Division D Early Career Award in Measurement and Research Methodology – Quantitative Methods and Statistical Theory, American Educational Research Association
2011	Early Career Award in Research, University of South Carolina, College of Education
2010 & 2013	SAS Global Forum Faculty Scholar, SAS Institute
2010	Funded Training: Data Mining for Educators (Track II), Invitation Only, SAS Institute
2009	Funded Training: Data Mining for Educators (Track I), Invitation Only. SAS Institute
2009	Funded Training: AERA Institute on Statistical Analysis for Education Policy, Competitive Application Process, American Educational Research Association
2008	Honorable Mention, Survey Research Method Section Poster Competition, American Statistical Association
2008	Graduate Student Achievement Award, University of South Florida, Graduate School
2007	Graduate School Summer Pre-doctoral Fellowship, University of South Florida, Graduate School

Journal Articles

underlined indicates co-author is/was a student when the research was conducted

Methodological and Research Capacity Building Scholarship

1. **Bell, B.A**., Taylor, S., Roberts, A., Shi, D., Burgess, K., Hough, C., & Flory, K. (2024). Factor structure of the Teacher Strengths and Difficulties Questionnaire in a large community-based sample: An investigation of alternative measurement models. *Assessment*. doi: 10.1177/107319112311576
2. Sharpe, P.A., Stucker, J., Wilcox, S., Liese, A.D., & **Bell, B.A.** (2021). Recruitment and retention for the evaluation of a healthy food initiative in economically disadvantaged, majority African American communities. *Family & Community Health, 44*(1), 43-51. doi.org/10.1097/FCH.0000000000000259
3. Liese, A.D., Draper, C.L., Martini, L., **Bell, B.A.,** Freedman, D.A., Burke, M.P., Younginer, N., Blake, C.E., Probst, J., & Jones, S.J. (2017). Recruitment strategies and participation in a study of childhood hunger. *Journal of Hunger and Environmental Nutrition*, *12*(2), 251-268. doi:10.1080/19320248.2015.1112760
4. Ene, M., Leighton, E. A., Blue, G.L., & **Bell, B.A.** (2015). Multilevel models for categorical data using SAS® PROC GLIMMIX: The basics. *SAS Global Forum 2015 Proceedings.* http://support.sas.com/resources/papers/proceedings15/3430-2015.pdf
5. Smiley, W., Leighton, E. A., Guo, X., Ene, M., & **Bell, B.A**. (2015). An intermediate guide to estimating multilevel models for categorical data using SAS® PROC GLIMMIX. SouthEast SAS Users Group 2015 Proceedings. https://www.lexjansen.com/sesug/2015/173_Final_PDF.pdf
6. Schoeneberger, J.A. & **Bell, B.A**. (2015). MIXED_RELIABILITY: A SAS macro for estimating lambda and assessing the trustworthiness of random effects in multilevel models. *SouthEast SAS Users Group 2015 Proceedings.* http://www.lexjansen.com/sesug/2015/189_Final_PDF.pdf

7. **Bell, B.A**., Morgan, G.B., Schoeneberger, J. A., Kromrey, J.D., & Ferron, J.M. (2014). How low can you go? An investigation of the influence of sample size and model complexity on point and interval estimates in two-level linear models. *Methodology*, *10,* 1-11. doi:10.1027/1614-2241/a000062
8. **Bell, B.A.**, Smiley, W., Ene, M., & Blue, G.L. (2014*).* An intermediate primer to estimating linear multilevel models using SAS® PROC MIXED. *SAS Global Forum 2014 Proceedings.* http://support.sas.com/resources/papers/proceedings14/1869-2014.pdf
9. **Bell, B.A.,** Ene, M., Smiley, W., & Schoeneberger, J.A. (2013). A multilevel model primer using SAS PROC MIXED. *SAS Global Forum 2013 Proceedings.* http://support.sas.com/resources/papers/proceedings13/433-2013.pdf
10. Ene, M., Smiley, W., & **Bell, B.A.** (2013). MIXED_FIT: A SAS® macro to assess model fit and adequacy for two-level linear models. *SAS Global Forum 2013 Proceedings.* http://support.sas.com/resources/papers/proceedings13/255-2013.pdf
11. **Bell, B.A.,** Onwuegbuzie, A.J., Ferron, J.M., Jiao, Q.G., Hibbard, S.T., & Kromrey, J.D. (2012). Use of design effects and sample weights in complex health survey data: A review of articles published using data from Add Health, MTF, and YRBS. *American Journal of Public Health*, *102,* 1399 – 1405. doi: 10.2105/AJPH.2011.300398
12. Kromrey, J. D. & **Bell, B.A**. (2012). Effect size Indices for dichotomized outcomes under variance heterogeneity: An empirical investigation of accuracy and precision. JSM Proceedings, Social Statistics Section: American Statistical Association.
13. **Bell, B.A.,** Schoeneberger, J. A., Kromrey, J.D., & Ferron, J.M. (2011). Data sparseness and multilevel models: The impact of small cluster size on point and interval estimates in two-level logistic models. JSM Proceedings, Social Statistics Section: American Statistical Association.
14. Schoeneberger, J. A., **Bell, B.A.,** & Kromrey, J. D. (2011). Acknowledging the unknown: A SAS® macro for investigating omitted variable bias in two-level linear models. SouthEast SAS Users Group 2011 Proceedings. http://analytics.ncsu.edu/sesug/2011/ST08.Schoeneberger.pdf
15. **Bell, B.A.,** DiStefano, C., & Morgan, G.B. (2010). A primer on disseminating applied quantitative research. *Journal of Early Intervention, 32,* 370-383. doi: 10.1177/105381511038946
16. Schoeneberger, J. A., Morgan, G.B., & **Bell, B.A.** (2010). SBSBOXPLOT: A SAS® macro for generating side-by-side boxplots. SouthEast SAS Users Group 2010 Proceedings. http://analytics.ncsu.edu/sesug/2010/RIV06.Schoeneberger.pdf
17. Kromrey, J.D. & **Bell, B.A.** (2010). ES_ANOVA: A SAS® macro for computing point and interval estimates of effect sizes associated with analysis of variance models. SouthEast SAS Users Group 2010 Proceedings. http://analytics.ncsu.edu/sesug/2010/PO05.Kromrey.pdf
18. **Bell, B.A.,** Schoeneberger, J. A., Morgan, G.B., Kromrey, J.D., & Ferron, J.M. (2010). Fundamental diagnostics for two-level mixed models: The SAS® macro MIXED_DX. SAS Global Forum 2010 Proceedings. http://support.sas.com/resources/papers/proceedings10/201-2010.pdf
19. **Bell, B.A.,** Morgan, G.B., Schoeneberger, J. A., Loudermilk, B.L., Kromrey, J.D., & Ferron, J.M. (2010). Dancing the sample size limbo with mixed models: How low can you go? SAS Global Forum 2010 Proceedings. http://support.sas.com/resources/papers/proceedings10/197-2010.pdf
20. **Bell, B.A**., Morgan, G.B., Kromrey, J.D., & Ferron, J.M. (2010). The impact of small cluster size on multilevel models: A Monte Carlo examination of two-level models with binary and continuous predictors. JSM Proceedings, Section on Survey Research Methods: American Statistical Association. 4057 –4067. https://www.amstat.org/membersonly/proceedings/2010/papers/308112_60089.pdf
21. **Bell, B.A.,** Owens, C.M., Kromrey, J.D., & Ferron, J.M. (2009). Parsimony vs. complexity: A Monte Carlo investigation of hierarchical and cross-classified modeling Using SAS® PROC MIXED. SAS

Global Forum 2009 Proceedings. http://support.sas.com/resources/papers/proceedings09/199-2009.pdf

22. Ferron, J.M., **Bell, B.A.,** Hess, M.R , Rendina-Gobioff, G., & Hibbard, S.T. (2009). Making treatment effect inferences from multiple baseline data: The utility of alternative multilevel modeling approaches. *Behavior Research Methods, 41,* 372-384. doi: 10.1758/BRM.41.2.372
23. **Bell, B.A.,** Kromrey, J.D., & Ferron, J.M. (2009). Missing data and complex samples: The impact of listwise deletion vs. subpopulation analysis on statistical bias and hypothesis test results when data are MCAR and MAR. JSM Proceedings, Section on Survey Research Methods. Alexandria, VA: American Statistical Association. 4759 –4770. http://www.amstat.org/sections/srms/Proceedings/
24. **Bell, B.A.,** Ferron, J. M., & Kromrey, J. D. (2008). Cluster size in multilevel models: The impact of sparse data structures on point and interval estimates in two-level models. JSM Proceedings, Section on Survey Research Methods. Alexandria, VA: American Statistical Association. 1122 – 1129. http://www.amstat.org/Sections/Srms/Proceedings/y2008/Files/300933.pdf
25. **Bell-Ellison, B.A.** & Dedrick, R.F. What do doctoral students value in their ideal mentor? (2008) *Research in Higher Education*, *49,* 555-567. doi: 10.1007/s11162-008-9085-8
26. **Bell-Ellison, B.A**. & Kromrey, J.D. (2007). Software alternatives for variance estimation in the analysis of complex sample surveys: A comparison of SAS survey procedures, SUDAAN, and AM. JSM Proceedings, Section on Survey Research Methods: American Statistical Association. 2659 – 2666. http://www.amstat.org/sections/srms/Proceedings/y2007f.html
27. Quinn, G.P., Albrecht, T.L., Mahan, C., **Bell-Ellison, B.A**., Henry Akintobi, T., Reynolds, B., & Jeffers, D. (2006). The photo essay: A visual research method for educating obstetricians and other health care professionals. *The Qualitative Report, 11*(2), 229-250. https://nsuworks.nova.edu/tqr/vol11/iss2/2

Food Access and Food Insecurity

28. Banks, A.R., **Bell, B.A.,** Ngendahimana, D., Embaye, M., Freedman, D.A., & Chisolm, D.J. (2021). Identification of factors related to food insecurity and the implications for social determinants of health screenings. *BMC Public Health, 21*(1), 1-8. doi:10.1186/s12889-021-11465-6
29. Ma, X., **Bell, B.A.,** Kellee, W., Liu, J., & Liese, A.D. (2022). Food acquisition and shopping patterns in the United States: Characteristics and relation to body mass index in the US food acquisition and purchase survey. *Journal of the Academy of Nutrition and Dietetics, 122 (4),* 745-757. doi.org/10.1016/j.jand.2021.09.013
30. Chisolm, D.J., **Bell, B.A.,** Owusua, Y., & Freedman, D.A. (2021). Racialized experiences differentiate food security among African American adults. *Nursing Research, 70*(5S), S13-S20. doi:10.1097/NNR.0000000000000533
31. Liese, A.D., Sharpe, P.A., **Bell, B.A.,** Hutto, B., Stucker, J., & Wilcox, S. (2021). Persistence and transience of food insecurity and predictors among residents of two disadvantaged communities in South Carolina. *Appetite, 161*, 105128. doi.org/10.1016/j.appet.2021.105128
32. Freedman, D.A., **Bell, B.A.,** Clark, J., Ngendahimana, D., Borawski, E., Trapl, E., Pike, S., & Sehgal, A.R. (2021). Small improvements in an urban food environment resulted in no changes in diet among residents. *Journal of Community Health, 46*(1), 1-12. doi:10.1007/s10900-020-00805-z
33. Sharpe, P.A., **Bell, B.A.,** Liese, A.D., Wilcox, S., Stucker, J., & Hutto, B.E. (2020). Effects of a food hub initiative in a disadvantaged community: a quasi-experimental evaluation. *Health & Place, 63*, 102341. doi.org/10.1016/j.healthplace.2020.102341
34. Freedman, D.A., **Bell, B.A.,** Clark, J.K., Sharpe, P.A., Trapl, E.S., Borawski, E.A., Pike, S.N., Rouse, C., & Sehgal, A.R. (2019). Socioecological path analytic model of diet quality among residents in two

urban food deserts. Journal of the Academy of Nutrition and Dietetics, 119(7), 1150-1159. doi:10.1016/j.jand.2019.02.012

35. Drucker, E.R., Liese, A.D., Sercy, E., **Bell, B.A.,** Draper, C., Fleischer, N.L., Flory, K., & Jones, S.J. (2019). Food insecurity, childhood hunger and caregiver life experiences among households with children in South Carolina. Public Health Nutrition, 22(14):2581-2590. doi:10.1017/S1368980019000922
36. Clark, J.K., Rouse, C., Sehgal, A.R., Bailey, M., **Bell, B**., Pike, S.N., Sharpe, P.A., & Freedman, D.A. (2019). A food hub to address healthy food access gaps: Residents' preferences. Journal of Agriculture, Food Systems, and Community Development, 9, 1-10. doi:10.5304/jafscd.2019.091.010
37. Ma, X., Sharpe, P.A., **Bell, B.A**., Liu, J., White, K., & Liese, A.D. (2018). Food acquisition and shopping patterns among residents of low-income and low-access communities in South Carolina. *Journal of the Academy of Nutrition and Dietetics, 118*(10), 1844-1854. doi:10.1016/j.jand.2018.04.017
38. Sharpe, P.A., Liese, A.D., **Bell, B.A.**, Wilcox, S, Hutto, B. E., & Stucker, J. (2018). Household food security and use of community food sources and food assistance programs among food shoppers in neighborhoods of low income and low food access. *Journal of Hunger and Environmental Nutrition, 13*(4), 482-496. doi:10.1080/19320248.2017.1364188
39. Jones, S.J., Draper, C.L., **Bell, B.A.**, Burke, M.P., Martini, L, Younginer, N, Blake, C.E., Probst, J.C., Freedman, D, & Liese, A.D. (2018). Child hunger from a family resilience perspective. *Journal of Hunger and Environmental Nutrition, 13*(3), 340-361. doi:10.1080/19320248.2017.1364189
40. Ma, X., Blake, C.E., Barnes, T.L., **Bell, B.A.**, & Liese, A.D. (2018). What does a person's eating identity add to environmental influences on fruit and vegetable intake? *Appetite, 120*, 130-135. doi:10.1016/j.appet.2017.08.025
41. Liese, A. D., Ma, X., Hutto, B., Sharpe, P. A., **Bell, B. A**., & Wilcox, S. (2017). Food shopping and acquisition behaviors in relation to BMI among residents of low-income communities in South Carolina. *International Journal of Environmental Research and Public Health*, *14*(9), 1075. doi:10.3390/ijerph14091075
42. Ma, X., Liese, A.D., Hibbert, J., **Bell, B.A.,** Wilcox, S, & Sharpe, P.A. (2017). The association between food security and store-specific and overall food shopping behaviors. *Journal of the Academy of Nutrition and Dietetics*, *117*(12), 1931-1940. doi:10.1016/j.jand.2017.02.007
43. Burke, M.P., Martini, L.H., Blake, C.E., Younginer, N.A., Draper, C.L., **Bell, B.A.,** Liese, A.D., & Jones, S.J. (2017). Stretching food and being creative: Caregiver responses to child food insecurity. *Journal of Nutrition Education and Behavior, 49*(4): 296-303. doi:10.1016/j.jneb.2016.11.010
44. Barnes, T.L., Colabianchi, N., Freedman, D.A., **Bell, B.A**., & Liese, A.D. (2017). Do GIS-derived measures of fast food retailers convey perceived fast food opportunities? Implications for food environment assessment. *Annals of Epidemiology, 27*, 27-34. doi:10.1016/j.annepidem.2016.08.003
45. Pike, S.N., Trapl, E.S., Clark, J.K., Rouse, C.D., **Bell, B.A.,** Sehgal, A.R., To, T., Borawski, E., & Freedman, D.A. (2017). Examining the food retail choice context in urban food deserts, Ohio, 2015. *Preventing Chronic Disease*, *14*, 1-4. doi:10.5888/pcd14.160408
46. Ma, X., Liese, A.D**., Bell, B**., Martini, L., Hibbert, J., Draper, C., & Jones, S.J. (2016). Perceived and geographic food access and food security status among households with children. *Public Health Nutrition*, *19*(15), 2781-2788. doi:10.1017/S1368980016000859
47. Burke, M.P., Frongillo, E.A., Jones, S.J., **Bell, B.A.,** & Hartline-Grafton, H. (2016). Household food insecurity is associated with greater growth in body mass index among female children from kindergarten through eighth grade. *Journal of Hunger and Environmental Nutrition*, *11*(2), 227-241. doi:10.10080/19320248.2015.1112756

48. Barnes, T.L., Freedman, D.A., **Bell, B.A.,** Colabianchi, N., & Liese, A.D. (2016). Geographic measures of retail food outlets and perceived availability of healthy foods in neighborhoods. *Public Health Nutrition*, *19*(8), 1368-1374. doi:10.1017/S1368980015002864
49. Oexle, N., Barnes, T.L., Blake, C.E., **Bell, B.A.,** Liese, A.D. (2015). Neighborhood fast food availability and fast food consumption. *Appetite,* 92, 227-232. doi:10.1016/j.appet.2015.05.030
50. Barnes, T.L., **Bell, B.A.,** Freedman, D.A., Colabianchi, N., & Liese, A.D. (2015). Do people really know what food retailers exist in their neighborhood? Examining perceived and GIS-based presence of retail food outlets in an eight-county region of South Carolina. *Spatial and Spatio-Temporal Epidemiology*. 13, 31-40. doi:10.1016/j.sste.2015.04.004
51. Liese, A.D., Hibbert, J.D., Ma, X., **Bell, B.A.,** & Battersby, S.E. (2014). Where are the food deserts? An evaluation of policy-relevant measures of community food access in South Carolina. *Journal of Hunger and Environmental Nutrition*, 9, 16-32. doi:10.1080/19320248.2013.873009
52. Sohi, I., **Bell, B.A**., Liu, J., Battersby, S.E., & Liese, A.D. (2014). Differences in food environment perceptions and shopping behaviors between residents of low versus high food access areas. *Journal of Nutrition Education and Behavior, 46,* 241-249. doi:10.1016/j.jneb.2013.12.006
53. Liese, A.D., **Bell, B.A**., Barnes, T.L., Colabianchi, N., Hibbert, J.D., Blake, C.E., & Freedman, D.A. (2014). Environmental influences on fruit and vegetable intake: Results from a path analytic model. *Public Health Nutrition, 17,* 2595-604. doi: 10.1017/S1368980013002930
54. Ma, X., Battersy, S.E., **Bell, B.A.,** Hibbert, J.D., Barnes, T.L., & Liese, A.D. (2013). Variation in low food access areas due to data source inaccuracies. *Applied Geography*, *45,* 131-137. doi: 10.1016/j.apgeog.2013.08.014
55. Ma, X., Barnes, T.L., Freedman, D.A., **Bell, B.A.,** Colabianchi, N., & Liese, A.D. (2013). Test-retest reliability of a questionnaire measuring perceptions of neighborhood food environment. *Health & Place, 21*, 65-69. doi: 10.1016/j.healthplace.2013.01.008
56. Blake, C. E., **Bell, B.A.,** Freedman, D., Colabianchi, N., & Liese, A.D. (2013). The Eating Identity Type Inventory (EITI): Development and associations with diet. *Appetite, 69*, 15-22. doi: 10.1016/j.appet.2013.05.008
57. Freedman, D. A., **Bell, B.A**., & Collins, L.V. (2011) The Veggie Project: A case study of a multi-component farmers' market intervention. *The Journal of Primary Prevention*, *32,* 213-224. doi: 10.1007/s10935-011-0245-9
58. Freedman, D.A. & **Bell, B.A.** (2009). Access to healthful foods among an urban food insecure population: Perceptions versus reality. *Journal of Urban Health, 86,*825-838. doi: 10.1007/s11524-009-9408-x

Physical Activity and BMI

59. Zarrett, N., Wilson, D.K., Sweeney, A., **Bell, B.A.,** Fairchild, A., Pinto, B., Miller, C., & Thames, T. (2022). An overview of the Connect through PLAY trial to increase physical activity in underserved adolescents. *Contemporary Clinical Trials*, *114*, 106677. doi.org/10.1016/j.cct.2022.106677
60. Zarrett, N. & **Bell, B.A.** (2014). The Effects of Out-of-School Time on Changes in Youth Body Mass Index Across the Adolescent Years. *Journal of Adolescence, 37,* 85-96. doi:10.1016/j.adolescence.2013.11.001
61. Walsemann, K.M., Ailshire, J.A., **Bell, B.A**., & Frongillo, E.A. (2012). BMI trajectories from adolescence to mid-life: Effects of parental and respondent education by race/ethnicity and gender. *Ethnicity & Health, 17,* 337-362. doi: 10.1080/13557858.2011.635374
62. Mae McKay, C., **Bell-Ellison, B.A**., Wallace, K. & Ferron, J.M. (2007). A multilevel study of the associations between economic and social context, stage of adolescence, and physical activity and BMI. *Pediatrics, 119*(Supplement), 84-91. doi: 10.1542/peds.2006-2089M

Child Development: Access to Treatment Services for Children with Autism Spectrum Disorder

63. Yingling, M.E., Ruther, M.H., Dubuque, E.M., & **Bell, B.A.** (2021). Impact of county sociodemographic factors and state policy on geographic access to behavior analysts among children with autism spectrum disorder. *Administration and Policy in Mental Health and Mental Health Services Research, 48*(6), 1105-1114. doi:10.1007/s10488-021-01120-y
64. Yingling, M., Ruther, M., Dubuque, E., & **Bell, B.A.** (2021). Impact of county factors and state policy on geographic access to BCBAs among children with autism spectrum disorders. *Journal of Applied Research in Intellectual Disabilities, 34*(5), 1223-1223
65. Yingling, M.E., & **Bell, B.A.** (2020). Utilization of speech-language, occupational and physical therapy by diagnosis of autism spectrum disorder. *Child: Care, Health and Development, 46*(5), 563-570. doi.org/10.1111/cch.1279
66. Yingling, M.E., Creel, L.M., & **Bell, B.A.** (2020). Assessing the healthy people 2020 objective to expand early treatment receipt among a national sample of children with autism spectrum disorder. *Journal of Developmental & Behavioral Pediatrics, 41*(5), 359-365. doi:10.1097/DBP.0000000000000786
67. Yingling, M.E., **Bell, B.A.,** & Hock, R.M. (2019). Comparing neighborhoods of children with autism spectrum disorder in a Medicaid waiver program and a state population, 2007-2015. *Psychiatric Services*, *70*(11), 1034-1039. doi:10.1176/appi.ps.201800479
68. Yingling, M.E., **Bell, B.A.,** & Hock, R. (2019). Treatment utilization trajectories among children with autism spectrum disorder: Differences by race-ethnicity and neighborhood. *Journal of Autism and Developmental Disorders*, *49*(5), 2173-2183. doi:10.1007/s10803-019-03896-3
69. Yingling, M.E. & **Bell, B.A.** (2019). Racial-ethnic and neighborhood inequities in age of treatment onset among a national sample of children with autism spectrum disorder. *Autism: International Journal of Research and Practice, 23*(4). doi:10.1177/1362361318791816
70. Yingling, M. E., Hock, R. M., & **Bell, B. A.** (2018). Time-lag between diagnosis of autism spectrum disorder and onset of publicly-funded EIBI: Do race-ethnicity and neighborhood matter? *Journal of Autism and Developmental Disorders*, *48*(2), 561-571. doi:10.1007/s10803-017-3354-3
71. Yingling, M. E. & **Bell, B. A.** (2016). The role of parental involvement in trajectories of aggression in children from 24 months to Pre-Kindergarten using growth curve models. *Children and Youth Services Review*, *67*, 270-276. doi:10.1016/j.childyouth.2016.01.019

Child and Adolescent Development and Learning

72. Berrier, T.B., Duff, D. M., **Bell., B.A.,** Fitton, L., & Adlof, S.M. (2026). Invisible print: Reading skill predicts children's learning of novel spoken words. *Infant and Child* Development, 35 (1), e70062.
73. Baron, L., Ehrhorn, A., Shlanta, P., Ashby, J., **Bell, B.A.,** & Adlof, S.M. (2025). Orthographic influences on phonological processing in children with persisting and resolving dyslexia: An eyetracking study. *Reading and Writing,* 38 (7), 1925-1948.
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Health and Discrimination

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Education, Health, and School Context

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Health Care Access/Medical Care/Doctor-Patient Communication

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Publications on a variety of topics

100. Yingling, M.E., Yingling, C.W, & **Bell, B.A**. (2023). Faculty perceptions of unidentified aerial phenomena. *Humanities and Social Sciences Communications*, 10, Article Number 246. https://doi.org/10.1057/s41599-023-01746-3
101. Priester, M.A., Kulkarni, S.K., Mennicke, A., & Bell, B.A. (2019). Factors associated with batterer intervention program completion. Violence and Victims, 34(2), 296-311. doi:10.1891/0886-6708.VV-D-17-00067
102. Foster, K.A., Smith, R.J., **Bell, B.A**., & Shaw, T.C. (2019). Testing the importance of geographic distance for social capital resources. *Urban Affairs Review*, *55*, 231-256. doi:10.1177/1078087417714895

103. DeHart, D., Lize, S., Priester, M., & **Bell, B**. (2017). Improving the efficacy of administrative data for evaluation of holistic defense. *Journal of Social Service Research*, *43*(2), 169-180. doi:10.1080/01488376.2016.1216919
104. Hassett-Walker, C., Walsemann, K., **Bell, B.,** Fisk, C., Shadden, M, & Zhou, W. (2017). How does early adulthood arrest alter substance use behavior? Are there differential effects by race/ethnicity and gender? *Journal of Developmental and Life-Course Criminology*, *3*(2), 196-220. doi:10.1007/s40865-017-0060-6
105. Iachini, A.L., **Bell, B.A**., Lohman, M, Beets, M.W., & Reynolds, J.F. (2017). Maximizing the contribution of after-school programs to positive youth development: Exploring leadership and implementation within Girls on the Run. *Children & Schools, 39*, 43-52. doi:10.1093/cs/cdw045
106. Foster, K.A., Pitner, R., Freedman, D.A., **Bell, B.A.,** & Shaw, T.C. (2015). Spatial dimensions of social capital. City & Community, 14(4), 392-409. doi: 10.1111/cico.12133
107. Byun, S-Y., Irvin, M. J., & **Bell, B. A.** (2015). Advanced math course taking: Effects on math achievement and college enrollment. *Journal of Experimental Education*, 83(4), 439-468. doi:10.1080/00220973.2014.919570
108. Hogeboom, D.L., McDermott, R.J., Perrin, K.M., Osman, H., & **Bell-Ellison, B.A**. (2010). Internet use and social networking among middle aged and older adults. *Educational Gerontology, 36,* 93-111. doi: 10.1080/03601270903058507
109. **Bell-Ellison, B.A.**, Forthofer, M.S., McDermott, R.J., Zapata, L.B., Nearns, J.L., Curran, K.T, Calkins, S., Bryant, C.A., & McCormack Brown, K, R. (2009). A theater-as-education project discourages tobacco and alcohol use. *Middle School Journal, 41,* 11-19.
110. **Bell Ellison, B.A.** (2004). Reexamining mandatory HIV partner notification in Florida. *Florida Public Health Review, 1,* 56-58.

Books

1. **Bell, B.A**., Yingling, M.E., Anders, A.D., & Sjogren, A.L. (Eds.). (Forthcoming). *Handbook of research methods and methodologies for the social sciences*. Routledge.
2. O'Connell, A., McCoach, B., & **Bell, B.A.** (Eds). (2022). *Multilevel modeling methods with introductory and advanced applications*. Charlotte, NC: Information Age Publishing.

Book Chapters

1. **Bell, B.A.,** & Schoeneberger, J.A. (2022). Linear organizational models. In O'Connell, A., McCoach, B., & Bell, B.A. (Eds). *Multilevel modeling methods with introductory and advanced applications.* Charlotte, NC: Information Age Publishing.
2. McCoach, D.B., **Bell, B.A.**, & Bellara, A.P. (2022). Individual growth curve models for longitudinal data. In O'Connell, A., McCoach, B., & Bell, B.A. (Eds). *Multilevel modeling methods with introductory and advanced applications.* Charlotte, NC: Information Age Publishing.
3. **Bell, B.A.** (2010). Pretest-posttest design. In N. Salkind (Ed.), *Encyclopedia of Research Design*. Thousand Oaks: Sage.

External Grants and Contracts (partial list)

Active

PI (Oh) 07/01/2024 - 06/30/2027
Spencer Foundation Large Research Grant
Waived English Learners: A Multi-State Exploration of an Overlooked English Learner Subgroup
Role: Co-Investigator: On this project, I will mentor the PI and teach them how to apply the different statistical procedures to achieve the study aims. I will attend all weekly team meetings and will help

prepare manuscripts for publication. This project builds on my expertise of working with large, secondary data sets and advanced statistical applications. I also contributed to the grant proposal.
Effort: 0.9 academic months (Year 1), 1.13 academic months (Years 2 and 3)
Purpose: The major goal of this multi-state project is to explore the English learner (EL) population in Tennessee and Utah by ELs' English language support waiver status (i.e., receiving or not receiving additional English language services available to English learners). Specifically, this exploratory study will examine student-level characteristics by waiver status, reclassification timing and likelihood by waiver status, and special education placement timing and likelihood by waiver status.
Total Award Amount: $374,999

Completed
R01NR017619
Zarrett-Kivita (PI) 06/11/2018 - 05/31/2023
NIH/NINR
Connect through PLAY: A staff-based physical activity intervention for middle school youth
Role: Co-Investigator: On this project I am the overall study methodologist. I helped design the study, performed the power-analysis to determine the necessary sample size for the intervention, and contributed to the grant proposal. I clean and analyze yearly data and prepare manuscripts for publication. In addition, this study is based on a previous pilot study, funded as an R21 where I also served as a co-investigator.
Effort: Years 1-3: 1.13 academic months, .20 summer months; Years 4-5 moved to flat rate payment after leaving UofSC given change in my salary and IDC rates.
Purpose: This study is a prospective, randomized controlled efficacy trial within pre-existing after school programs (ASPs) that compares a staff-based social development physical activity program to a standard ASP health curriculum, aimed at increasing the physical activity of underserved middle school youth and program staff.
Total Award Amount $3,490,053

R01DC017156
Adolf (PI) 07/01/2018 - 06/30/2023
NIH/NIDCD
Word Learning in Language and Reading Impairment Subgroups
Role: Methodologist: I was added to the project after the grant was funded, therefore, I am not a formal co-investigator. However, I fulfill the same duties as I would as a co-investigator – i.e., I am the overall study methodologist. I provide methodological and statistical support for publications led by the PI and/or her doctoral students and I help with disseminating findings by preparing manuscripts for publication.
Effort: .33 summer months
Purpose: The major goal of this project is to determine the relationship between word learning and language and reading skills in a longitudinal study of children with specific language impairment, dyslexia, or typical development, from second to fourth grade.
Total Award Amount: $3,653,815

R01DK108184
Freedman, Sehgal (MPIs) 07/01/2015 - 05/31/2019
NIH/NIDDK
Evaluating a Food Hub Opening in an Urban Context
Role: Co-Investigator: On this project, I served as the overall study methodologist responsible for research design and statistical procedures as well as disseminating findings by preparing manuscripts for publication. Based on my co-I experience with a different grant funded (4R01CA180336-04) funded under the same mechanism, I also contributed substantially to the grant proposal. I met regularly with the research team and provided mentoring and support to students and post-docs on the team.

Effort: 1.13 academic months
Purpose: This quasi-experimental rapid-response study will evaluate the effect of a new food hub opening in a low-income, urban community that is currently defined as a food desert. The study will evaluate the impact of the food hub on changes in diet among people living near the food hub.
Total Award Amount: $2,003,175

5U01DD00107
Flory (PI) 09/30/2015 - 09/29/2017
Centers for Disease Control and Prevention
Project to Learn about Youth – Mental Health II (PLAY-MH II)
Role: Co-Investigator: On this project, I focused on research design and statistical analysis as well as supporting psychology PhD students on multiple thesis and dissertation projects.
Effort: Year 1: .64 academic months, .32 summer months; Year 2: .8 academic months, .4 summer months
Purpose: The primary goal of this project is to describe the prevalence and co-occurrence of internalizing, externalizing, and tic disorders among children and adolescents (grades K-12) within a defined population.
Total Award Amount: $499,923

R21 HD077357 04/11/2014 - 03/31/2016
Zarrett-Kivita (PI)
NIH/NICHD
Social Mechanisms for Promoting Youth Physical Activity in Afterschool Programs
Role*:* Co-Investigator: On this project I was the overall study methodologist. I helped design the study, performed the power-analysis to determine the necessary sample size for the intervention, and contributed to the grant proposal. I cleaned and analyzed yearly data and prepared manuscripts for publication as well mentored PhD students working with the PI.
Effort: Year 1: 45 summer months; Year 2: .90 academic & 1.80 summer months
Purpose: The purpose of this study is to provide a novel insight for how to create a social climate that meets the social developmental needs of adolescents for facilitating sustained increases in youth physical activity.
Total Award Amount: $398,750

R01CA180336
Sharpe, Wilcox (MPsI) 08/15/2013 - 07/31/2017
NIH/NCI
Evaluation of Food Hub's Impact on Food Access, Diet, and Weight in a Food Dessert
Role*:* Co-Investigator: On this project, I served as the overall study methodologist responsible for research design and statistical procedures as well as disseminating findings by preparing manuscripts for publication. I supervised a masters level biostatistician and provided mentoring and support to students and post-docs on the team. I contributed substantially to the grant proposal and was actively involved in all research team meetings and projects.
Effort: 1.3 academic months
Purpose: Evaluate the impact of a food hub in a food desert community on dietary intake, healthy food access, and body weight using a quasi-experimental design.
Total Award Amount: $2,748,847

Hassett-Walker (PI) 05/01/2012 - 04/30/2015
National Institutes of Health (R15)
Effects of Criminal Justice System Exposure on Youth's Substance Use Trajectories
Role: Co-Investigator

Purpose: The goal of this project is to study how exposure to the criminal justice system influences substance use during the transition from adolescence to early adulthood using 13 years of nationally representative, prospective data from the National Longitudinal Survey of Youth (NLSY97).

Shaw (PI) 06/01/2014 - 05/31/2015
National Science Foundation
Place attachment and collective action: The changing sociopolitical landscape of black urban neighborhoods
Role: Statistician
Purpose: The purpose of this research is to understand the impact of perception of community and geographic neighborhood on social capital and collective action among urban African Americans in the South.

Service

Greater Community

2019 to 2020	Appointed Member, Richland Memorial Hospital Board of Trustees Note: left term early because I moved to Virginia – would have been a member from 2019 to 2023.
2017 to 2020	Ambassador, NIH LRP Ambassador Program
2016	Appointed Member to the Walkable 29203 Steering Committee
2016 to 2019	Appointed Member to the City of Columbia Bicycle and Pedestrian Advisory Committee (BPAC)
2015	U.S. Department of Health and Human Services, Administration for Children and Families. Office of Family Assistance Grant Review Panel
2011 to 2014	Advanced Placement (AP) Statistics Reader
2006 to 2012	Chairperson, Oklahoma Foundation for Consumer and Patient Rights' Board of Directors

Professional Community

Editorial Boards

2015 to 2019	Editorial Board, *Journal of School Health*
2014 to present	Editorial Board, Statistical and Methodological Advisor, *Journal of School Psychology*
2009 to present	Editorial Review Board, *Journal of Early Intervention*
2009 to present	Consulting Editor, *Journal of Experimental Education*
2008 to 2014	Editorial Review Board, *Research in the Schools*
2006 to 2008	Editorial Assistant, Research News and Comment, *Educational Researcher*
2004	Managing Editor, *Florida Public Health Review*

Ad Hoc Reviewer

2023	*Journal of American College Health, Journal of Adolescent Research*
2022	*Journal of School Health*
2021	*Journal of American College Health*
2019	*Public Health Nutrition, BMC Public Health, Methodology*
2018	*Public Health, Cities, Appetite, Public Health Nutrition, Structural Equation Modeling: A Multidisciplinary Journal, BMC Public Health, Children and Youth Services, Methodology, Obesity*
2017	*Urban Affairs Review, BMC Public Health, Children and Youth Services*
2016	*Preventing Chronic Disease, Journal of Applied Geography, Methodology*

2015	*American Journal of Preventive Medicine, Journal of School Health*
2014	*Educational Psychology Review, Journal of Applied Geography, Journal of Educational Psychology, Journal of School Health*
2013	*Journal of Applied Geography, Journal of the American Statistical Association,* Methodology*, PLOS, Journal of Health and Social Behavior*
	Book proposal reviewer, SAGE Publishing
2012	*Journal of Educational Psychology*, *Journal of School Health, Obesity*
2011	*Journal of Speech, Language, and Hearing Research, American Journal of Public Health*
2012	*Journal of Educational Psychology*, *Journal of School Health, Obesity*
2011	*Journal of Speech, Language, and Hearing Research, American Journal of Public Health*
2009	*Educational Researcher*
2008	*Journal of Experimental Education*
	Book Reviewer, SUNY Press
	Book Reviewer, Springer Publishing
2006, 2007	*Journal of Experimental Education*

Professional Association Leadership

2025 to 2026	Chair, Outstanding Dissertation Award Committee, American Educational Research Association, Division D - Measurement and Research Methodologies (Appointed)
2024 to 2025, 2025 to 2026	Member, Executive Committee, American Educational Research Association, Division D - Measurement and Research Methodologies (Appointed)
2024 to 2025	Member, Presidential Planning Committee, American Educational Research Association 2025 Annual Meeting (Appointed)
2024 to 2025	Program Co-Chair, Division D- Measurement and Research Methodologies, American Educational Research Association (Appointed)
2024 to 2025	Chair, Section 2: Statistical Theory and Quantitative Methodologies, Division D - Measurement and Research Methodologies, American Educational Research Association (Appointed)
2023 to 2024	Co-Chair, Section 2: Statistical Theory and Quantitative Methodologies, Division D - Measurement and Research Methodologies, American Educational Research Association (Appointed)
2018 to 2019	Chair, Multilevel Modeling SIG, American Educational Research Association (Elected)
2017 to 2018	Vice-Chair, Multilevel Modeling SIG, American Educational Research Association (Elected)
2015, 2016, 2017, 2018	Chair, Early Career Award Committee, American Educational Research Association, Division D - Measurement and Research Methodologies (Appointed)
2015 to 2019	Research and Publications Committee, American School Health Association (Appointed)
2012 to 2013	Treasurer, Longitudinal Studies SIG of the American Educational Research Association (Elected)
2011 to 2013	Secretary**/**Treasurer, Educational Statistician SIG of the American Educational Research Association (Elected)
2011 to 2012	Treasurer, HLM SIG of the American Educational Research Association (Elected)

2010 to 2011	Treasurer, HLM SIG of the American Educational Research Association (Elected)
2010 to 2011	President, South Carolina SAS Users Group Executive Board (Elected)
2009 to 2010	Secretary and President-Elect, South Carolina SAS Users Group Executive Board (Elected)

Conference Related Service

2019	Session Chair, MLM SIG, American Educational Research Association
2017, 2016, 2015, 2013, 2012, 2011	Reviewer, American Educational Research Association Conference Proposals
2015	Reviewer, American Educational Research Association Division D Research in Progress Gala
2014, 2013	Reviewer, SAS Global Forum Conference Proposals
2014	Session Chair, Pharma & Healthcare Section, Annual Meeting of the SouthEast SAS User's Group
2013, 2011, 2010, 2009	Group Session Coordinator, Annual Meeting of the SouthEast SAS User's
2013, 2012, 2010, 2008, 2009	Session Coordinator, Annual SAS Global Forum

University Service and Leadership Development

2026	University Mentoring Program, Center for Faculty Well-Being and Development, University of Virginia
2025 to present	Graduate Public Service Fellows Advisory Board, Office of the Executive Vice-President and Provost, University of Virginia
2023 to present	Reflection Reader, Public Service Pathway, Office of the Executive Vice-President and Provost, University of Virginia
2022 to present	Education Public Service Pathway Steering Committee, Office of the Executive Vice-President and Provost, University of Virginia
Summer 2022	Leadership Toward Racial Equity Place-based Seminar, Faculty Development Program, Office of the Executive Vice-President and Provost, University of Virginia
Fall 2021	Leadership in Academic Matters, Faculty Development Program, Office of the Executive Vice-President and Provost, University of Virginia
2020	Faculty Senate Chair-Elect (elected) University of South Carolina – never became senate chair as I left the university
2020	Future Planning Committee (appointed), University of South Carolina (university committee formed in response to the COVID-19 pandemic)
2019 to 2020	Faculty Advisor (student selected), Students Invested in Change, University of South Carolina
2018 to 2020	Diversity, Equity, and Inclusion Advisory Committee (appointed), University of South Carolina
2018 to 2020	Committee on Professional Conduct (elected), University of South Carolina
2018 to 2020	Faculty Budget Committee (appointed), University of South Carolina
2018 to 2020	Faculty Advisory Committee (appointed), University of South Carolina
2018 to 2020	Faculty Senate Steering Committee (appointed), University of South Carolina
2018 to 2020	Faculty Welfare Committee (elected), University of South Carolina • Chair, 2018-2019 and 2019 -2020

2012, 2013, 2018	ASPIRE I Grant Proposal Review Committee (appointed), Office of the Vice President of Research, University of South Carolina
2017 to 2018	University Athletics Advisory Committee (elected), University of South Carolina
2017 to 2020	Carolina Judicial Counsel, University of South Carolina
2016	ASPIRE II Grant Proposal Review Committee (appointed), Office of the Vice President of Research, University of South Carolina
2013 to 2015	Women's Mentor Network (volunteer)

College Service and Leadership

2025 to 2026	Budget Advisory Committee, School of Education and Human Development, University of Virginia
2025 to 2026	Diversity Advisory Committee, School of Education and Human Development, University of Virginia
2025	HSRC Poster Judge, School of Education and Human Development, University of Virginia
2021	Inclusive Excellence Mentoring Committee, School of Education and Human Development, University of Virginia
2021	Inclusive Excellence Admissions Committee, School of Education and Human Development, University of Virginia
2021	Inclusive Excellence Committee, School of Education and Human Development, University of Virginia
2021 to 2023	Academic Leaders Team, School of Education and Human Development, University of Virginia
2017 to 2019	University Faculty Senator for College of Social Work (elected)
2015 to 2017	Faculty Council (elected), College of Social Work
2016	Chair, Ad Hoc Committee to develop COSW Mentoring Plan
2016 to 2017	Dean Search Committee (appointed)
2015 to 2020	Tenure and Promotion Committee (appointed), College of Social Work • Secretary, 2016 to 2019
2015 to 2016	PhD Program Committee, College of Social Work (elected)
2012 to 2013	Faculty Welfare Committee, College of Education (elected) • Chair, 2013
2010 to 2012	Basic Programs Curriculum Committee, College of Education (elected)

Department Service

2026 to present	Faculty Advisor, Youth and Social Innovation Executive Committee
2023 to present	Undergraduate Student Advisor, Youth and Social Innovation Program
2010	Educational Psychology Search Committee, College of Education
2008 to 2010	Student Affairs Committee, College of Education