

## A. BROOKS BOWDEN

### Curriculum Vitae

May 10, 2022

#### CONTACT INFORMATION

University of Pennsylvania  
Graduate School of Education  
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Philadelphia, PA 19104

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Mobile: 917-940-4649  
Citizenship: USA  
Twitter: @abrooksbowden

#### CURRENT POSITION

2019-Present Assistant Professor of Education Policy, Graduate School of Education, University of Pennsylvania  
2021-Present Director, Center for Benefit-Cost Studies of Education, University of Pennsylvania  
2020-Present Co-Director, University of Pennsylvania Predoctoral Training Program in Interdisciplinary Methods for Field-based Research in Education

#### EDUCATION

Ph.D. Columbia University, Education Policy, 2014  
M.S.Ed. University of Pennsylvania, Education Policy, 2007  
M.S. Auburn University, Psychology, 2003  
B.A. Auburn University, Psychology, 2002

#### HONORS AND PROFESSIONAL AWARDS

**Early Career Award**, Society for Research on Educational Effectiveness, 2022  
**Outstanding Policy Report - Long**, American Education Research Association, Division L, 2021  
**Outstanding Peer Reviewer**, Education Evaluation & Policy Analysis, 2021  
**Recognition of Service Award**, Graduate School of Education, University of Pennsylvania, 2020  
**Outstanding Early Career 40 for 40 Award**, Association for Public Policy Analysis & Management, 2018  
**Provost's Doctoral Dissertation Grant**, Teachers College, Columbia University, 2014  
**Emerging Education Policy Scholars Fellowship**, Thomas B. Fordham Institute and AEI, 2014  
**Doctoral Research Fellowship**, Teachers College, Columbia University, 2012 - 2013  
**Teachers College General Scholarship**, Teachers College, Columbia University, 2008-2012  
**Policy, Management, and Evaluation Scholarship**, University of Pennsylvania, 2006 - 2007

#### SPECIALIZATION AND RESEARCH INTERESTS

Designing experimental and quasi-experimental evaluations, cost-effectiveness analysis, programs and policies that leverage community partnerships to address poverty in the classroom, transitions from high school to postsecondary and the labor market, and early childhood programming and policy.

#### BOOKS

Levin, H.M., McEwan, P.J., Belfield, C.R., Bowden, A.B., & Shand, R. (2018). *Economic Evaluation in Education: Cost-Effectiveness and Benefit-Cost Analysis*, 3rd Edition. Sage Publications: Thousand Oaks, CA.

*\*underline indicates student co-author*

## ARTICLES IN REFEREED JOURNALS

14. Bowden, A.B. (*Accepted*). Simplifying the Design of Cost-Effectiveness Research in Field Experiments. *AERA Open*.
13. Bowden, A.B., Danks, A., Rodriguez, V., Yang, H., & Davis, R. (*Accepted*). Examining Approaches to Support Digital Learning through State and District Resource Allocation and Policy. *Peabody Journal of Education*.
12. Gray, A., Sirinides, P., Fink, R., & Bowden, A.B. (2022). Integrating literacy and science instruction in kindergarten: Results from the efficacy study of Zoology One. *Journal of Research on Educational Effectiveness*, 15(1), 1-27. <https://doi.org/10.1080/19345747.2021.1938313>
11. Shand, R. & Bowden, A.B. (2022). Empirical Support for Establishing Common Assumptions in Cost Research in Education. *Journal of Research on Educational Effectiveness*, 15(1), 103-129. <https://doi.org/10.1080/19345747.2021.1938315>
10. Bowden, A.B., Shand, R., Levin, H.M., Muroga, A., & Wang, A. (2020). An Economic Evaluation of the Costs and Benefits of Providing Comprehensive Supports to Students in Elementary School. *Prevention Science*, 21(8), 1126-1135. <https://doi.org/10.1007/s11121-020-01164-w>
9. Bradshaw, C.P., Debnam, K.J., Player, D., Bowden, A.B., Lindstrom Johnson, S. (2020). A Mixed-Methods Approach for Embedding Cost-Analysis Within Fidelity Assessment in School-Based Programs. *Behavioral Disorders*, 1-13. <https://doi.org/10.1177/0198742920944850>
8. Belfield, C., Bowden, A.B., Rodriguez, V. (2019). Evaluating Regulatory Impact Assessments in Education Policy. *American Journal of Evaluation*, 40(3), 335-353. <https://doi.org/10.1177/1098214018785463>
7. Belfield, C. & Bowden, A.B. (2019). Using Resource and Cost Considerations to Support Educational Evaluation: Six Domains. *Educational Researcher*, 48(2), 120-127. <https://doi.org/10.3102/0013189X18814447>
6. Bowden, A.B., Shand, R., Belfield, C.R., Wang, A., & Levin, H.M. (2017). Evaluating Educational Interventions that Induce Service Receipt: A Case Study Application of City Connects. *American Journal of Evaluation*, 38(3), 405-419. <https://doi.org/10.1177/1098214016664983>
5. Klapp, A., Belfield, C., Bowden, B., Levin, H., Shand, R., Zander, S. (2017). A benefit-cost analysis of a long-term intervention on social and emotional learning in compulsory school. *International Journal of Emotional Education*, 9(1), 3-19. <https://www.um.edu.mt/library/oar/handle/123456789/18275>
4. Jacob, R., Armstrong, C., Bowden, A.B., & Pan, Y. (2016). Leveraging Volunteers: An Experimental Evaluation of a Tutoring Program for Struggling Readers. *Journal of Research on Educational Effectiveness*, 9 (Sup1), 67-92. <https://doi.org/10.1080/19345747.2016.1138560>

3. Belfield, C., Bowden, A.B., Klapp, A., Levin, H., Shand, R., & Zander, S. (2015). The Economic Value of Social and Emotional Learning. *Journal of Benefit-Cost Analysis*, 6 (3), 508-544. <https://doi.org/10.1017/bca.2015.55>
2. Bowden, A.B., & Belfield, C.R. (2015). Evaluating TRIO: A Benefit-Cost Analysis and Cost-Effectiveness Analysis of Talent Search. *Journal of Benefit-Cost Analysis*, 6(3), 572-602. <https://dx.doi.org/10.1017/bca.2015.48>
1. Hollands, F., Bowden, A.B., Levin, H.M., Belfield, C., Cheng, H., Shand, R., Pan, Y., & Hanisch-Cerda, B. (2014). Cost-Effectiveness Analysis in Practice: Interventions to Improve High School Completion. *Educational Evaluation and Policy Analysis*, 36 (3), 307-326. <https://doi.org/10.3102%2F0162373713511850>

#### **ARTICLES UNDER REVIEW**

Muroga, A., Escueta, M., Rodriguez, V., & Bowden, A.B. (R&R). Overcoming the Quality-Quantity Trade-Off: An Economic Cost Analysis of An Early Literacy Program Using Community Tutors. *Early Childhood Research Quarterly*.

#### **WORKING PAPERS**

Bowden, A.B., Davis, R.A., Bernard, J. Leveraging Home Reading to Strengthen Literacy Development in Kindergarten.

Bowden, A.B. & Davis, R. Investing in School Food as an Essential Element of Education.

Shand, R., Davis, R.A., & Bowden, A.B. Has Godot Arrived? A Review of the Use and Quality of Cost-Effectiveness Research in Education.

Muroga, A., Decker-Woodrow, L.E., & Bowden, A.B. Benefit-cost analysis of Pre-K 4 San Antonio.

Mielke, M., Davis, R.A., Bowden, A.B., & Rodriguez, V. Universal School Meals and Discipline.

Oas, J., Belfield, C., & Bowden, A.B. The Economics of Social Emotional Learning.

Bowden, A.B., Diaz, K., Spilane, M., Lee, S., Gray, A., Fink, R., Sirinides, P., & Suwak, K. Examining the Heterogeneous and Longitudinal Effects of a Comprehensive Kindergarten Literacy Curriculum.

#### **BOOK CHAPTERS**

Davis, R. & Bowden, A.B. (*forthcoming*). Hunger Doesn't Stop in the Summer: A Case Study of the Yum Yum Bus as a Solution to Increasing Access to Summer Meals. In Ed. Gaddis, J. & Robert, S., *Transforming School Food Politics Around the World*.

Lindstrom Johnson, S., Bowden, A.B., & Bradshaw, C.P. (*in press*). Estimating the Cost of School Mental Health Programming to Increase Adoption and Scale-up of Evidence-based Programs and Practices. In

Ed. Evans, S., Owens, J., Bradshaw, C. P., & Weist, M.D. *Handbook of School Mental Health: Advancing Practice and Research: Third Edition*. New York: Springer.

Shand, R.S., Bowden, A.B., & Levin, H. (*forthcoming*). Examining costs: Designs and strategies and analysis. In Ed. Bickman, L. & Laughton, C.D., *The Evaluation Handbook: An Evaluator's Companion*. Guilford Publications.

Belfield, C., Bowden, A.B., Levin, H.M. (2018). Cost Estimation in Education: The Ingredients Method. In Ed. Farrow, S., *Teaching Benefit-Cost Analysis*. Edward Elgar Publishing.

## EVALUATION REPORTS

Decker-Woodrow, L.E., Muroga, A., Bowden, A.B., & Lamey, G. (2020). *Benefit-cost analysis of Pre-K 4 SA: Technical report*. San Antonio, TX: Westat. Available at: <https://prek4sa.com/community/program-results/>

Bowden, A.B. & Danks, A. (2020). *District Level Implementation and Resource Allocation for Digital Learning Across Five Key Districts*. The Friday Institute, College of Education, North Carolina State University.

Bowden, A.B., & Davis, R. (2019). *Supporting Student Learning by Mitigating Student Hunger*. Provided to the State of North Carolina. Available at: <https://wested.ent.box.com/s/vuh2qfg6n4xchjniyexwc1ojgdhmdksa/file/573275806798>

Danks, A., Hammond, S., Bowden, A.B. (2019). *A Cost Analysis of The North Carolina Digital Learning Plan*. The Friday Institute for Educational Innovation, North Carolina State University.

Bowden, A.B., Muroga, A., Wang, A., Shand, R., Levin, H.M. (2018). *Examining Systems of Student Support*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. Available at: [www.cbcse.org/publications](http://www.cbcse.org/publications)

Bowden, A.B., Levin, H.L., Muroga, A., Rodriguez, V., Escueta, M. (2018). *Estimating the Costs of an Early Childhood Reading Tutoring Program*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. Available at: [www.cbcse.org/publications](http://www.cbcse.org/publications)

Van Keuren, C.H., Bowden, A. B., & Swail, W.S. (2018). *Reading Enhancement for Advancing Development Bangladesh: Cost-Effectiveness Analysis*. Save the Children International. Available at: [https://educationalpolicy.org/wp-content/uploads/2019/06/1809\\_USAID\\_SAVE-1.pdf](https://educationalpolicy.org/wp-content/uploads/2019/06/1809_USAID_SAVE-1.pdf)

Bowden, A.B., Belfield, C.R., Levin, H.M., Shand, R., Wang, A., & Morales, M. (2015). *A Benefit-Cost Analysis of City Connects*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. Available at: [www.cbcse.org/publications](http://www.cbcse.org/publications)

Jacob, R.T., Armstrong, C., Willard, J.A., Bowden, A.B., & Pan, Y. (2015). *Mobilizing Volunteer Tutors to Improve Student Literacy*. MDRC. Available at: [www.cbcse.org/publications](http://www.cbcse.org/publications)

Belfield, C., Bowden, A.B., Klapp, A., Levin, H.M., Shand, R., & Zander, S. (2015). *Estimating the Return on Investment of School-Based Socio-Emotional Learning Programs*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. Available at: [www.cbcese.org/publications](http://www.cbcese.org/publications)

Rodriguez, O., Bowden, A.B., Belfield, C., & Scott-Clayton, J. (2014). *Testing for Remediation in Community Colleges: What Does it Cost?* Community College Research Center, Teachers College, Columbia University. Paper No. 73. <http://ccrc.tc.columbia.edu/publications/remedial-placement-testing-resources.html>

Hollands, F.M., Pan, Y., Shand, R., Cheng, H., Levin, H.M., Belfield, C.R., Kieffer, M., Bowden, A.B., & Hanisch-Cerda, B. (2013). *Improving Early Literacy: Cost-Effectiveness Analysis of Effective Reading Programs*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. Available at: [www.cbcese.org/publications](http://www.cbcese.org/publications)

Levin, H.M., Belfield, C., Hollands, F., Bowden, A.B., Cheng, H., Shand, R., Pan, Y., & Hanisch-Cerda, B. (2012). *Cost-Effectiveness Analysis of Interventions that Improve High School Completion*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University. Available at: [www.cbcese.org/publications](http://www.cbcese.org/publications)

Bowden, A.B. (2010). *An Evaluation of the Impact of the National Academy for Excellent Teaching*. Prepared for the Office of the President and the Office of School and Community Partnerships of Teachers College, Columbia University.

Chatterji, M., Mata, J., & Bowden, A.B. (2009). *A Case Study of the Chemung County School Readiness Project: Origins of a Comprehensive Education Initiative for 0-5 Year Olds*. Assessment and Evaluation Research Initiative. [http://www.tc.columbia.edu/i/a/document/11487\\_SRP-Case-StudyR2WebOct09.pdf](http://www.tc.columbia.edu/i/a/document/11487_SRP-Case-StudyR2WebOct09.pdf)

## **POLICY BRIEFS**

Belfield, C., Bowden, A.B., & Shand, R. (2021). *Cost Effectiveness Analysis Can Help Districts Plot Their Financial Course*. Policy Analysis for California Education (PACE), Stanford University. <https://www.edpolicyinca.org/newsroom/cost-effectiveness-analysis-can-help-districts-plot-their-financial-course>

Nakamoto, J., Wendt, S., & Bowden, A.B. (2020). *Healthy U: A Cost Analysis of Implementing a Sexual Health Education App in Juvenile Justice Facilities*. WestEd. Available at: <https://www.wested.org/resources/healthy-u-cost-analysis/>

Gray, A., Sirinides, P., Fink, R., & Bowden, B. (2020). *Zoology One Efficacy Evaluation: Summary of Findings*. CPRE, University of Pennsylvania. Available at: <https://www.cpre.org/efficacy-evaluation-zoology-one-1>

Bowden, A.B., & Davis, R. (2019). *Addressing Hunger in School: An Analysis of Educational Food Policies*. Prepared by request for the North Carolina Department of Public Instruction and the North Carolina Legislature.

Wiseman, A., Davis, D., Harrington, A., Spires, H., Bowden, B., Grifenhagen, J., Young, C., Begeny, J., Chen Lee, C., Falter, M. (2017). *Cultivating Young Readers: Seven Principles for Teaching All Children to Read in a Global Society*. College of Education, North Carolina State University. <https://ced.ncsu.edu/research/cultivating-young-readers/>

Rodriguez, O., Bowden, A.B., Belfield, C., & Scott-Clayton, J. (2014) *Calculating the Costs of Remedial Placement Testing*. Community College Research Center, Teachers College, Columbia University. CCRC Analytics Publication. <http://ccrc.tc.columbia.edu/publications/cost-placement-testing-analytics.html>

### **OP-ED POLICY PUBLICATIONS**

Davis, R., & Bowden, A.B. (2021). *Using evidence on cost-effectiveness to support students through COVID recovery and beyond*. School Administrator Magazine. <https://www.pageturnpro.com/AASA/100870-August-2021/sdefault.html#page/38>

Bowden, A.B., & Wasser-Gish, J. (2021). *Small investments for big gains: transforming wraparound services into an engine of opportunity*. The Brown Center Chalkboard at Brookings. <https://www.brookings.edu/blog/brown-center-chalkboard/2021/04/26/small-investments-for-big-gains-transforming-wraparound-services-into-an-engine-of-opportunity/>

Bowden, A.B., & Davis, R. (2020). *With fewer funds and greater needs, school should pursue cost-effectiveness strategies*. The Brown Center Chalkboard at Brookings. <https://www.brookings.edu/blog/brown-center-chalkboard/2020/05/26/with-fewer-funds-and-greater-needs-schools-should-pursue-cost-effectiveness-strategies/>

Bowden, A.B. (2016). *Wrap-around cost estimates for wrap-around services*. The Brown Center Chalkboard at Brookings. <http://www.brookings.edu/blogs/brown-center-chalkboard/posts/2016/06/03-wrap-around-cost-estimates-for-services-bowden>

### **METHODS BRIEFS**

Bowden, A.B. (2020). *Efficacy Trials & Cost-Effectiveness*. CBCSE IES Methods Training in Economic Evaluation Methods Brief. <https://www.cbcse.org/methodsbriefs> (plus accompanying worksheet template)

Bowden, A.B., Davis, R.A., Shand, R. (2020). *Development Trials & Cost Analysis*. CBCSE IES Methods Training in Economic Evaluation Methods Brief. <https://www.cbcse.org/methodsbriefs>

Bowden, A.B., & Davis, R.A. (2020). *Measurement Trials and Cost Analysis*. CBCSE IES Methods Training in Economic Evaluation Methods Brief. <https://www.cbcse.org/methodsbriefs>

### **OTHER REPORTS, CHAPTERS, AND PAPERS**

Belfield, Bowden, & Shand. (2021). *Cost-Effective Decision-Making for California's School System*. Policy Analysis for California Education (PACE), Stanford University. <https://www.edpolicyinca.org/publications/cost-effective-decision-making-californias-school-system>



Cost Analysis Standards Project. (2021). *Standards for the Economic Evaluation of Educational and Social Programs*. American Institutes for Research. <https://www.air.org/sites/default/files/Standards-for-the-Economic-Evaluation-of-Educational-and-Social-Programs-CASP-May-2021.pdf>

Levin, H.M., Bowden, A.B., Belfield, C., Shand, R., Rodriguez, V. (2015). *Communities in Schools Cost Design Paper*. Center for Benefit-Cost Studies of Education, Teachers College, Columbia University.

Bowden, A.B. & Belfield, C.R. (2015). Chapter 4: Cost Studies in: *Evaluation Toolkit for Workforce Innovation Fund Evaluators*. In partnership with Abt Associates.

### GRANT AWARDS AND CONTRACTS

- 2021-2023 California MTSS Research Consortium, Center for the Transformation of Schools, University of California Los Angeles, in partnership with Orange County Schools, California, *California Safe, Healthy, Responsive Schools Network: California Multi-Tiered Systems of Support (MTSS) Initiative*. (P.I., \$250,000 subaward).
- 2021-2023 Partnership with NYU Global TIES and Sesame Workshop with funding from the LEGO Foundation and MacArthur Foundation, *Cost-Effectiveness of Early Childhood Interventions Serving Refugee Children*. (P.I. with Jere Behrman, \$220,000 subaward)
- 2020-2023 Institute of Education Sciences, U.S. Department of Education, *IES Methods Training Program in Cost-Effectiveness and Economic Evaluation*. (P.I. \$799,846)
- 2020-2025 Institute of Education Sciences, U.S. Department of Education, *University of Pennsylvania Predoctoral Training Program in Interdisciplinary Methods for Field-based Research in Education*. (\$4.6 million; Co-P.I. with Rebecca Maynard)
- 2020-2022 Institute of Education Sciences, U.S. Department of Education, *Extension to Examine the Longitudinal Effects of the Efficacy Evaluation of Zoology One: Kindergarten Research Labs*. (P.I. \$1,000,000)
- 2018-2019 North Carolina Department of Public Instruction, The William & Ida Friday Institute for Educational Innovation, *Economic Evaluation of the North Carolina Digital Learning Initiative*. (P.I. \$149,270)
- 2018-2020 Department of Justice, National Institute of Justice, subcontract to the University of Pennsylvania, *PBIS in Challenging Contexts: Evaluating a Replicable Implementation Approach in Philadelphia*. (P.I. of cost study \$116,610; with P.I. of evaluation Abigail Gray \$3 million)
- 2017-2018 North Carolina Department of Public Instruction, The William & Ida Friday Institute for Educational Innovation, *Economic Evaluation Design Project for the North Carolina Digital Learning Initiative*. (P.I. \$55,079.25; with P.I. Jeni Corn \$1.2 million)

- 2017-2018 Institute of Education Sciences, U.S. Department of Education, *Training in Application of Economic Evaluation for State and Local Education Policy Employees*. (Co-P.I. and Director of Training \$99,939.29; with P.I. Henry Levin and Co-P.I. Clive Belfield)
- 2017-2018 ServeMN, *Cost Study of Minnesota Reading Corps PreK Reading Program*. (P.I. \$85,000)
- 2016-2019 Institute of Education Sciences, U.S. Department of Education, subcontract to the University of Pennsylvania, *Efficacy Evaluation of Zoology One: Kindergarten Research Labs*. (P.I. of cost study \$227,545; with P.I. of evaluation Abigail Gray \$3.3 million)
- 2015-2018 Boston College and GHR Foundation, *Estimating the Costs and Benefits of City Connects: Phase 2*. (P.I. \$132,268.57; with Co-P.I. Henry Levin)
- 2015-2016 Robinhood Foundation, subcontract to MDRC for cost study, *Evaluating the Making Pre-K Count Program*. (P.I. \$47,392.43)
- 2014-2017 Institute of Education Sciences, U.S. Department of Education, *IES Methods Training Program in Cost-Effectiveness and Cost-Benefit Analysis*. (Co-P.I. and Director of Training \$999,705.55; with P.I. Henry Levin and Co-P.I. Clive Belfield)
- 2014-2018 Save the Children, subcontract to EPI, *Cost-Effectiveness Analysis for Save the Children's READ Program*. (Co-P.I.; with P.I. Christine Harris-Van Keuren \$187,400)
- 2014-2015 U.S. Department of Labor, subcontract to Abt Associates, *Cost Study Guidance for WIF Grantee Evaluators*. (P.I. \$16,680; with Co-P.I. Clive Belfield)
- 2013-2015 Edna McConnell Clark Foundation, subcontract to MDRC for cost study, *Evaluation of Reading Partners*. (Project Lead \$165,382; with P.I. Henry Levin)

## POLICY CONTRIBUTIONS

### *2020 North Carolina H1023*

Provided the education committee and the North Carolina Department of Public Instruction with evidence of the importance of investing in school meals, options to innovate school meals, and cost estimates to eliminate reduced price lunch fees (see 2019 Leandro report, *Supporting Student Learning by Mitigating Student Hunger*). The law eliminates the reduced-price lunch copay in the 2020-2021 school year and allows districts to use busses to deliver meals to students during the summer.

### *2019 Massachusetts Student Opportunity Act*

Provided the education committee with evidence on comprehensive student support (see 2020 article published in *Prevention Science*). The revised funding formula allocates additional support for historically marginalized students and requires districts to submit evidence-based plans, including comprehensive student support, to address disparities in achievement among student subgroups.



## PRESS COVERAGE

K-12 Dive, Relationships, resources must become a focus in learning to address mental health crisis: With the American Academy of Pediatrics declaring a national mental health emergency, is it time to consider expanding the “3 Rs” of education? By Joan Wasser Gish, November 10, 2021, available at: <https://www.k12dive.com/news/relationships-resources-must-become-a-focus-in-learning-to-address-mental/609766/>

Education Week, 5 Core Pieces of Social-Emotional Learning Research That Ed. Companies Can't Overlook: Studies Offer Clarity on SEL's Ties to Educational Games, Success in the Job Market, and More, by Brian Bradley, October 21, 2021, available at: <https://marketbrief.edweek.org/market-trends/5-core-pieces-social-emotional-learning-research-ed-companies-cant-overlook/>

Forbes Magazine, New Data Shows Building Knowledge Can Boost Reading Comprehension, by Natalie Wexler, September 08, 2021, available at: <https://www.forbes.com/sites/nataliewexler/2021/09/08/new-data-shows-building-knowledge-can-boost-reading-comprehension/?sh=4f8144e87dd9>

The Philadelphia Inquirer, Thousands of kindergartners didn't show up for school last year. Here's what that means for the school year to come., by Kristen A. Graham and Melanie Burney, August 14, 2021, available at: [https://www.inquirer.com/education/kindergarten-enrollment-decline-covid-philadelphia-norristown-20210814.html?cid=Philly.com+Twitter&utm\\_campaign=Philly.com+Twitter+Account&utm\\_medium=social&utm\\_source=t.co](https://www.inquirer.com/education/kindergarten-enrollment-decline-covid-philadelphia-norristown-20210814.html?cid=Philly.com+Twitter&utm_campaign=Philly.com+Twitter+Account&utm_medium=social&utm_source=t.co)

Ivahoe Broadcast Service and Child Trends News Service, TV broadcast for local news on Zoology One Efficacy Study. As of September 2021, news clip viewed more than 66 million times.

NPR news, WLVR, Researchers Argue a Commonly Used Program Isn't the Best Way to Measure Student Poverty, by Chloe Nouvelle, July 14, 2021, available at: <https://www.wlvr.org/2021/07/researchers-argue-a-commonly-used-program-isnt-the-best-way-to-measure-student-poverty/#.YPcAJC2cbo1>

Common Wealth, 'Wraparound' Services Crucial to School Reopenings: Trauma and Emotional Toll of Pandemic Need Attention, by Joan Wasser Gish, June 10, 2021, available at: <https://commonwealthmagazine.org/economy/wraparound-services-crucial-to-school-reopenings/>

Education Week, More Studies Look at Cost-Effectiveness, by Sarah Sparks, April 9, 2019, available at: <https://www.edweek.org/ew/articles/2019/04/10/more-education-studies-look-at-cost-effectiveness.html>

## SELECTED PROFESSIONAL EXPERIENCE

**Research Affiliate**, Community College Research Center, Teachers College, Columbia University, 2020 –  
**Assistant Professor of Methods and Policy**, Department of Education Leadership, Policy, and Human Development, North Carolina State University, 2016 – 19

**Visiting Scholar**, Duke University, 2017 – 18

**Director of Training and Associate Director**, Center for Benefit-Cost Studies of Education, Teachers College, Columbia University, 2015 – 20

**Field Consultant**, Save the Children Bangladesh, 2014 – 18

**Senior Research Scientist and Associate Director**, Center for Benefit-Cost Studies of Education, Teachers College, Columbia University, 2015 – 16

**Postdoctoral Research Associate**, Center for Benefit-Cost Studies of Education, Teachers College, Columbia University, 2014 – 15

**Research Associate and Assistant Director**, Center for Benefit-Cost Studies of Education, Teachers College, Columbia University, 2012 – 14

**Assistant Director and Research Assistant**, National Center for the Study of Privatization in Education, Teachers College Columbia University, 2009 - 12

**Graduate Research Assistant**, Office of the President, Teachers College, Columbia University, 2009 – 10

**Graduate Research Assistant**, Assessment and Evaluation Research Initiative, Teachers College Columbia University, 2008 – 09

**Associate Research Scientist**, U.S. Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, 2007 – 08

**Behavior Analyst**, Specializing in autism and developmental disabilities, 2002 – 05

#### INVITED POLICY BRIEFINGS AND PRESENTATIONS

2022	North Carolina Governor's Office, Hunt Institute, and Department of Public Instruction
2020	School District of Philadelphia
2019	Massachusetts State Legislature
2018	North Carolina State Board of Education

#### INVITED LECTURES

2022	Michigan State University
2021	New York University; Penn Development Research Initiative
2020	WestEd; University of Virginia
2019	Institute of Education Sciences; University of Pennsylvania; University of Virginia, Arkansas University; RTI International
2018	Harvard University Strategic Data Project; Institute of Education Sciences
2017	New York University; University of Connecticut; University of California Santa Barbara
2016	North Carolina State University (2); University of Connecticut
2015	North Carolina State University; University of Wisconsin; Johns Hopkins University and the Maryland Department of Education; Institute of Education Sciences and U. S. Department of Education (2); University of Georgia
2014	University of Pennsylvania

#### INVITED WORKING GROUPS

2021 – 22	National Standards Panel on Integrated Student Supports
2020 – 21	Cost Analysis Standards Project (Lead Cost-effectiveness Expert and Project Organizer)
2017 – 18	Comprehensive Services for Children in Poverty: Setting the Research Agenda for Integrated Student Support

2017 – 19	Century Foundation Working Group on Community College Financial Resources
2016 – 18	Learning Policy Institute’s Resourcing Public Schools to Optimize Student Learning: A National Public Scholarship Agenda
2015 – 16	WIHOPE Working Group on College Costs & Productivity

### **METHODOLOGICAL WORKING GROUPS AND SUPPORT**

2021 – 22	MDRC Intervention Investment Tool for Community Colleges
2018 – 19	AT&T Aspire Grantee Evaluation Technical Assistance, Weststat
2017 – 21	Technical Working Group, Regional Educational Laboratory Central
2014 – 16	U.S. Department of Labor, Workforce Innovation Fund

### **PEER-REVIEWED CONFERENCE PRESENTATIONS**

Mielke, M., Davis, R.A., & Bowden, A.B. (2022). Do Universal Free School Meals Improve Student Behavior? Paper prepared for the annual meetings of the Association for Education Finance and Policy, Denver, CO, and the American Education Research Association, San Diego, CA.

Bowden, A.B., Davis, R., Bernard, H. (2021). Leveraging Home Reading to Strengthen Literacy Development in Kindergarten. Paper prepared for the annual meetings of the Society for Research on Educational Effectiveness, Arlington, VA, and the the Association for Public Policy Analysis and Management, Austin, TX.

\*2020 - 2021 conferences not listed due to COVID-19 pandemic.

Muroga, A., Decker-Woodrow, L., Bowden, A.B., Lamey, G., Davenport, B. (2019). Social Efficiency of a City-Led Preschool Education Initiative: A Benefit-Cost Analysis. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management, Denver, CO.

Bowden, A.B. & Rodriguez, V. (2019). The Effects of Educational Innovation Policies at Scale. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management International, Barcelona, Spain.

Bowden, A.B. & Davis, R. (2019). Addressing Hunger in School: An Analysis of the Costs and Potential Benefits of Food Insecurity Interventions. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management International, Barcelona, Spain.

Bowden, A.B. & Rodriguez, V. (2019). Measuring the Effectiveness of State-wide Educational Innovation Policies. Paper prepared for the annual meeting of the Association for Education Finance Policy, Kansas City, MO.

Bowden, A.B. & Danks, A. (2019). Examining the Costs of District-Level Approaches to Integrating Digital Learning into Schools. Poster prepared for the annual meeting of the Association for Education Finance Policy, Kansas City, MO.

Bowden, A.B. & Davis, R. (2019). Addressing Hunger in School: An Analysis of the Costs and Potential Benefits of Food Insecurity Interventions. Poster prepared for the annual meeting of the Association for Education Finance Policy, Kansas City, MO.

Bowden, A.B. & Rodriguez, V. (2019). Inclusion of Costs and the Tradeoff between Rigor and Purchase Price. Paper prepared for the annual meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Rodriguez, V., Bowden, A.B., Escueta, M., Muroga, A. (2018). Addressing Missing Data of Economic Evaluations in a Partnership-Based Educational Program. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management, Washington, DC.

Bowden, A.B. & Rodriguez, V. (2018). Sustainable Education Goals? Examining a State-Based Education Initiative for Digital Learning. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management International, Mexico City, Mexico.

Bowden, A.B., Fink, R., Rodriguez, V. (2018). Implementing an Innovating Approach to Cost and Implementation Research in the Context of Program Evaluation. Paper prepared for the annual meeting of the American Educational Research Association, New York, NY.

Bowden, A.B., Shand, R., Levin, H., Muroga, A., Belfield, C., Wang, A. (2018). Analyzing the Benefits and Costs of Comprehensive Student Support Models. Paper prepared for the annual meeting of the American Educational Research Association, New York, NY.

Bowden, A.B., Muroga, A., Shand, R., Wang, A. (2018). Comprehensive Student Support Model: A Cost Perspective. Paper prepared for the annual meeting of the Association for Education Finance Policy, Portland, OR.

Muroga, A., Bowden, A.B., Escueta, M., Rodriguez, V. (2018). Addressing Missing Data of Economic Evaluations in Education: A Simulation-Based Approach. Paper prepared for the annual meeting of the Association for Education Finance Policy, Portland, OR.

Bowden, A.B. (2018). Designing Research on Costs within Randomized Field Trials. Paper prepared for the annual meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Wang, A., Muroga, A., & Bowden, A.B. (2018). Applying Generalizability Index Method to Examine the Representativeness of Cost Study Samples. Paper prepared for the annual meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Bowden, A.B. (2017). Simplifying Cost Research Design for Educational Field Trials. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management, Chicago, IL.

Kolbe, T. & Bowden, A.B. (2017). The Recipe for Success: Understanding the Role of Resource & Cost Data in Replicating Educational Policies and Programs. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management, Chicago, IL.

Bowden, A.B. (2017). Putting the Costs in Cost-Effectiveness: guidance on Examining Costs in Field Trials. Paper prepared for the annual meeting of the Association for Public Policy Analysis and Management International, Brussels, Belgium.

Bowden, A.B. & Muroga, A. (2017). A Benefit-Cost Analysis of a Comprehensive Approach to Supporting Student Learning. Paper prepared for the annual meeting of the Society for Prevention Research. *Awarded Abstract of Distinction.*

Belfield, C.R., Rodriguez, V., & Bowden, A.B. (2017). Efficiency of Federal Education Regulations. Paper prepared for the annual meetings of the Association for Education Finance Policy, Washington, DC, and the Society for Benefit-Cost Analysis Annual Conference, Washington, DC.

Bowden, A.B. & Levin, H.M. (2017). Determining Costs of Comprehensive School Services. Paper prepared for the annual meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Bowden, A.B., Shand, R., Belfield, C.R., Wang, A., & Levin, H. (2016). Evaluating Educational Interventions that Induce Service Receipt: A Case Study Application of City Connects. Paper prepared for the annual meeting of the Association for Education Finance Policy, Denver, CO.

Belfield, C.R. & Bowden, A.B. (2016). Cost-Effectiveness Analysis to Improve Education Research: Lessons from the Field. Paper prepared for the annual meeting of the Association for Education Finance Policy, Denver, CO.

Bowden, A.B., Belfield, C.R., Levin, H.M., Shand, R., Wang, A., Morales, M. (2015). Examining the Costs and Benefits of Wrap-Around School Based Services: A Pilot Study of City Connects. Paper presented for the annual meeting of the Association for Public Policy Analysis and Management, Miami, FL.

Jacob, R.T., Bowden, A.B., Armstrong, C., Pan, Y., Elson, D. (2015). Capitalizing on Volunteer Tutors: An Experimental Evaluation of a Tutoring Program for Struggling Readers. Paper presented for the annual meeting of the Association for Public Policy Analysis and Management, Miami, FL.

Jacob, R., Armstrong, C. Elson, D., Bowden, A.B. (2015). Exploring the Implementation, Effectiveness and Costs of the Reading Partners Program. Paper presented at the annual meeting of the Society for Research on Educational Effectiveness, Washington, DC.

Bowden, A.B. & Belfield, C.R. (2015). Evaluating TRIO: A Benefit-Cost Analysis and Cost-Effectiveness Analysis of Talent Search. Poster presented at the annual meeting of the Association for Education Finance Policy, Washington, DC.

Bowden, A.B. (2013). Cost-Effectiveness Analysis and the Challenge of Site-Level Variation: An Evaluation of Talent Search. Paper presented at the annual meeting of the Association for Education Finance Policy, New Orleans, LA.

Bowden, A.B. (2013). Cost-Effectiveness Analysis in the Presence of Cross-Site Variation. Paper presented at the Society for Benefit-Cost Analysis Annual Conference, Washington, DC.

### **ASSOCIATION MEMBERSHIPS**

Association for Public Policy Analysis and Management (APPAM)

Association for Education Finance and Policy (AEFP)

Society for Research in Educational Effectiveness (SREE), Women in Quant

American Educational Research Association (AERA), Divisions D & L

Society for Benefit-Cost Analysis (SBCA)

American Evaluation Association (AEA)

Society for Prevention Research (SPR)

Education Policy Collaborative (EPC)

### **PROFESSIONAL ACTIVITIES**

#### **Journal Editor Positions:**

Editor, Education Evaluation and Policy Analysis, 2023 – 2026

Associate Editor, American Journal of Evaluation, 2019 – 2022

Editorial Board Member, Education Evaluation and Policy Analysis, 2019 – 2022

#### **Journal Referee Service:**

*Education Evaluation and Policy Analysis, Educational Researcher, American Journal of Evaluation, Journal of Research on Educational Effectiveness, Educational Policy, Journal of Education for Students Placed at Risk, American Education Research Journal, Review of Education Research*

#### **Other Review and Editorial Service:**

*National Education Policy Center, Sage Open, UNESCO Mahatma Gandhi Institute for Education of Peace and Sustainable Development, UNESCO International Institute for Educational Planning*

#### **Book Peer-Review Service:**

*Complementary Methods for Educational Leadership and Policy Studies*

#### **Invited Association Conference Service:**

Education Policy Section Conference Chair, SREE, 2019

Discussant or Chair: APPAM annual meeting (2015, 2017, 2019), AEFP annual meeting (2016, 2018, 2019, 2020), APPAM International annual meeting (2017), SREE annual meeting (2018, 2019), Society for Prevention Research (2018, 2019), AERA annual meeting (2021)

Submission peer-review service for SREE, methods section (2018, 2019, 2020)

**Elected Professional Association Service:**

AEEP Board Member, 2019-2022, Committees: Board Nominations (Committee Chair 2022), Awards, Finance & Budget, and Membership & Outreach

**PROFESSIONAL CREDENTIALS**

National Center for Education Research, Institute of Education Sciences, U.S. Department of Education, Summer Research Training Institute on Cluster Randomized Trials, Northwestern University, 2015.

CITI Social and Behavioral Researcher's Certification for Human Subjects, 2012.

U.S. Government Contractor Officer's Representative Certification, 2007.

NIH Human Participants Protection Education for Research Teams Certification, 2006.

Board Certified Behavior Analyst, 2004 – 2005.

**UNIVERSITY TEACHING**

**University of Pennsylvania**

Advanced Analysis in the Economics of Education, Fall 2019, 2020, 2021, 2022

Methods of Economic Evaluation in Education, Spring 2020, 2021, 2022

**North Carolina State University**

Methods of Economic Evaluation in Education, Fall 2017

Economics of Education, Fall 2016, Fall 2018

Applied Quantitative Methods II, Spring 2017

**Teachers College, Columbia University**

Advanced Analysis in Economics of Education, assisted Henry M. Levin, 2011

Economics and Education, assisted Henry M. Levin, 2010

Evaluating Privatization and Choice in Education, assisted Henry M. Levin, 2010, 2011

Resource Allocation in Education, assisted Henry M. Levin, 2010, 2011

**TEACHING SERVICE FOR THE FIELD**

**IES Methods Training Programs**

IES Methods Training Program in Economic Evaluation for State and Local Employees, Center for Benefit-Cost Studies in Education, 2017 – 2018. (30 trainees)

IES Methods Training Program on Cost-Effectiveness and Cost-Benefit Analysis, Center for Benefit-Cost Studies in Education, 2014 – 2017. (120+ trainees)

**Society for Research on Educational Effectiveness**

Methods Webinar on Proposing Cost and Cost-Effectiveness Studies, 2020

Workshop on Integrating Cost-Effectiveness Analysis into Field Trial Design, 2019

Workshop on Cost Analysis for Evaluation in Education, 2017

Short Course on Cost Analysis for Evaluation in Education, with Clive Belfield, 2016



### **Teaching Verbal Behavior to Children with Autism**

Alabama Association for Behavior Analysis, with Alice Shillingsburg, 2003

Alabama Department of Education Professional Development, with Alice Shillingsburg, 2003

### **ADVISEMENT**

#### **Chaired Dissertations**

University of Pennsylvania, Ph.D.: Haisheng Yang (2021), Rebecca Davis (2022), Elinor “Nell” Williams (proposal tentative 2022)

North Carolina State University, Ph.D.: Gregory King (Co-Chair with Paul Umbach, 2019), Mihaela Henderson (Co-Chair with Stephen Porter, 2019), Sarah Deal (Co-Chair with Audrey Jagger, 2020), Amanda Danks (Co-Chair with Stephen Porter, 2021)

#### **Dissertation Committee Membership**

University of Pennsylvania: Monica Mielke (proposed 2020), Taylor Odle (2022), Claire Allen-Platt (proposal tentative 2022)

North Carolina State University: Melissa Cominole (2017), Eric Grebing (2018), Katie Johnson (2018), Breanna Herring (proposal only, 2019), Andrea DeSantis (2021), Collin Mccolskey-Leary (2021)

Teachers College, Columbia University: Viviana Rodriguez (2021), Atsuko Muroga (2022)

#### **Academic Advisees (Ph.D)**

University of Pennsylvania: Rebecca Davis, Haisheng Yang, Elinor “Nell” Williams, Johanna (Hanna) Bernard, Anika Alam

North Carolina State University: Amanda Danks

#### **Current and Former Research Assistants**

University of Pennsylvania: Rebecca Davis, Haisheng Yang, Reggie Gilliard, Emily Fry, Julia Oas, Hanna Bernard, Anika Alam, Emily Faulk, Hannah Lee\*, Daniel Shi\*, Noam Kosofsky

*\*undergraduate students*

North Carolina State University: Amanda Danks, Valarie Valentine, Iwinosa Idahor, Sarah Hammond

Teachers College, Columbia University: Robert Shand, Yilin Pan, Viviana Rodriguez, Anyi Wang, Atsuko Muroga, Maya Escueta

#### **Penn Fulbright Applicant Advisement**

2020-2021, 2021-2022

### **External Advisement & Service to the Field**

Harvard University, Strategic Data Fellows Faculty Advisor, 2018-Present

Duke University, Preparing Future Faculty, Laura Bellows, 2017-2018

### **UNIVERSITY SERVICE**

#### **University of Pennsylvania**

Search Committee: Cluster Hire for 2 Standing Faculty in Education Policy, 2021-22

Search Committee: CPRE Quantitative Lead, 2020-21

Search Committee: Open Standing Faculty in Education Policy, 2019-20

#### **North Carolina State University**

Search Committee: Director of the Friday Institute and Associate Dean of the College of Education, 2018-19

Search Committee: Tenure-Track Faculty in Developmental Science, 2017-18

Council on Multicultural Initiatives and Diversity, 2017 - 2019

Computer and Technology Committee, 2016-2017

### **OTHER SERVICE**

School Board Member, Family Annex Nursery School, 2015-2016.

Review Board Member, University of Pennsylvania Graduate School of Education Perspectives on Urban Education, 2006 – 2007.

Head Start Volunteer, General Reynolds Elementary, 2006.

First Grade Tutor, Penn Alexander Elementary, 2006.

Core Group/Working Group Member, Dignity in Schools Campaign of the American Bar Association Children's Rights Litigation Committee, 2006.

Heifer Voices Advisory Panel Member, Heifer International, 2006.

Board Member/Event Coordinator, Lee County Heart Ball Committee and Lee County Heart Guild of the American Heart Association, 2005 – 2006.

Volunteer/Trainer/Board Member, Lee County Crisis Center Hotline, 2001 - 2002.