

R. Joseph Waddington
Curriculum Vitae

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ACADEMIC POSITIONS

University of Kentucky, Lexington, KY

Assistant Professor, Martin School of Public Policy and Administration (by courtesy), 2017-present
Assistant Professor, Department of Educational Policy Studies and Evaluation, College of Education,
2015-present

University of Notre Dame, Notre Dame, IN

Research Associate, Alliance for Catholic Education, Institute for Educational Initiatives, 2014-15
Postdoctoral Research Associate & IEI Affiliate, Institute for Educational Initiatives, 2012-14

EDUCATION

University of Michigan School of Education, Ann Arbor, MI

Ph.D., Educational Studies (Quantitative Research Methods in Education Program), 2012
Dissertation: “Urban Catholic Schools in Expanding Charter School Markets: Enrollment Shifts and School Closures.”
Chair: Brian P. McCall, Ph.D.
Committee: Stephen L. DesJardins, Ph.D., Susan M. Dynarski, Ph.D., Valerie E. Lee, Ph.D.

University of Michigan Rackham Graduate School, Ann Arbor, MI

M.A., Statistics, 2012

University of Notre Dame, Notre Dame, IN

B.S., Chemistry, 2007

TOPICAL RESEARCH INTERESTS

K-12 School Choice Policies
K-12 School Effectiveness

Economics of Education
Sociology of Education

METHODOLOGICAL INTERESTS

Causal and Quasi-Experimental Methods
Quantitative Program Evaluation

Longitudinal Models
Mixed Methods

PUBLICATIONS

Refereed Journal Articles

- *Waddington, R. J. & Berends, M. (2018). Impact of the Indiana Choice Scholarship Program: Achievement effects for students in upper elementary and middle school. *Journal of Policy Analysis and Management*, 37(4), 783-808.
- *Berends, M. & Waddington, R. J. (2018). School choice in Indianapolis: Effects of charter, magnet, private, and traditional public schools. *Education Finance and Policy*, 13(2), 227-255.
- Waddington, R. J., Nam, S., Lonn, S., & Teasley, S. D. (2016). Improving early warning systems with categorized course resource usage. *Journal of Learning Analytics*, 3(3), 263-290.

Books

- Berends, M., Waddington, R. J., & Schoenig, J. A. (Eds.) (In Press, 2019). *School choice at the crossroads: Research perspectives*. New York, NY: Routledge.

Book Chapters

- Waddington, R. J. (Forthcoming, 2019). Social Context of Vouchers. In M. Berends, A. Primus, & M. G. Springer (Eds.), *Handbook of research on school choice* (2nd ed.). New York, NY: Routledge.
- *Berends, M. & Waddington, R. J. (In Press, 2019). Scaling up and sustaining charter school effects. In M. Berends, R. J. Waddington, & J. A. Schoenig (Eds.), *School choice at the crossroads: Research perspectives*. New York, NY: Routledge.

- Krumm, A. E., Waddington, R. J., Teasley, S. D., & Lonn, S. (2014). Using data from a learning management system to support academic advising in undergraduate engineering education. In J. Larusson & B. White (Eds.), *Learning analytics from research to practice: Methods, tools, and approaches* (pp. 103-122). New York, NY: Springer.

Other Publications

- Berends, M., Waddington, R. J., & Austin, M. J. (2018). Lessons learned from Indiana (from forum: Taking stock of private-school choice). *Education Next*, 18(2), 50-51, 60-63.

Under Review

- *Austin, M., Waddington, R. J. & Berends, M. (Revise and Resubmit). "Voucher pathways and student achievement in Indiana's Choice Scholarship Program."

* Each author contributed equally; author order was determined randomly.

MANUSCRIPTS IN PROGRESS

(Papers ordered by manuscript completion and readiness for submission to peer-reviewed journals)

Samudre, M., Allday, R. A., & Waddington, R. J. “The role of teacher preparation programs in preparing educators to manage challenging behavior: A multivariate analysis.”

*Berends, M. & Waddington, R. J. “School or “school type” effects? Examining the heterogeneity in student achievement and engagement outcomes between schools of choice in Indianapolis.”

*Waddington, R. J. & Berends, M. “Vouchers in the crossroads: Heterogeneous impacts on student achievement and attendance across private schools in Indiana.”

*Fitzpatrick, B., Berends, M., Ferrare, J. J., & Waddington, R. J. “Virtual charter school teachers and student achievement: Increasing educational opportunity or doing harm?”

*Ferrare, J. J., Waddington, R. J., Fitzpatrick, B., & Berends, M. “Virtual illusion: Longitudinal effects of charter school types on student achievement in Indiana.”

*Waddington, R. J., Zimmer, R., & Berends, M. “Cream skimming and push out of voucher students in Indiana.”

Shepley, C. & Waddington, R. J. “Examining the impact of NCLB alternate assessment policies on the post-school outcomes of individuals with significant cognitive disabilities.”

Waddington, R. J. “Urban Catholic schools in expanding charter school markets: Enrollment shifts and school closures.”

Waddington, R. J. “Implications of charter school expansion for urban Catholic schools: Competition or collaboration?”

GRANTS AND FELLOWSHIPS

Funded

Co-Principal Investigator, “School Choice in Indiana: An Examination of Impacts and the Conditions under which Choice is Effective,” Lyle Spencer Research Award, Spencer Foundation. PI: Mark Berends, University of Notre Dame. \$999,024, 2015-18.

- Principal Investigator, Sub-award from University of Notre Dame via Spencer Foundation. \$144,868, 2015-18.

*Each author contributed equally; author order was determined randomly.

CONFERENCE PRESENTATIONS & PROCEEDINGS

- *Waddington, R. J. & Berends, M. (2018). Unpacking the variation in voucher outcomes for upper elementary and middle school students in Indiana. Paper to be presented at the 40th Annual Fall Research Conference of the Association for Public Policy Analysis and Management, Washington, DC.

- *Waddington, R. J., Zimmer, R., & Berends, M. (2018). Cream skimming and push out of voucher students in Indiana. Paper presented at the 43rd Annual Meeting of the Association for Education Finance and Policy, Portland, OR. Revised paper to be presented at the 40th Annual Fall Research Conference of the Association for Public Policy Analysis and Management, Washington, DC.

- *Fitzpatrick, B., Berends, M., Ferrare, J. J., & Waddington, R. J. (2018). Virtual charter school teachers and student achievement: Increasing educational opportunity or doing harm? Paper presented at the 43rd Annual Meeting of the Association for Education Finance and Policy, Portland, OR.

- *Austin, M. J., Waddington, R. J., & Berends, M. (2018). Vouchers in Indiana: Unpacking the impacts of mobility on student achievement. Paper presented at the Using Administrative Data for Science and Policy Conference, Russell Sage Foundation, New York, NY.

- *Ferrare, J. J., Waddington, R. J., & Berends, M. (2017). Heterogeneity within the charter school sector: Examining the longitudinal effects of charter operators on student achievement in Indiana. Paper presented at the 39th Annual Fall Research Conference of the Association for Public Policy Analysis and Management, Chicago, IL.

- *Waddington, R. J. & Berends, M. (2017). Voucher variation: Heterogeneous impacts on student outcomes across Indiana private schools. Paper presented at the 39th Annual Fall Research Conference of the Association for Public Policy Analysis and Management, Chicago, IL.

- *Ferrare, J. J., Waddington, R. J., & Berends, M. (2017). Virtual illusion: Longitudinal effects of charter school types on achievement gains in Indiana. Paper presented at the 42nd Annual Meeting of the Association for Education Finance and Policy, Washington, DC. Revised paper presented at the 42nd Annual Meeting of the Association for Education Finance and Policy, Washington, DC.

- *Waddington, R. J. & Berends, M. (2017). Consequences of competition: Effects of the expansion of charter schools and private school vouchers on traditional public schools in Indianapolis. Paper presented at the 42nd Annual Meeting of the Association for Education Finance and Policy, Washington, DC.

- *Waddington, R. J. & Berends, M. (2017). Early impacts of the Indiana Choice Scholarship Program: Achievement effects for students in upper elementary and middle school (revised version).

*Each author contributed equally; author order was determined randomly.

Paper presented at the Society for Research on Educational Effectiveness Spring 2017 Conference, Washington, DC.

Kowalski, M. J., Waddington, R. J., & Frabutt, J. M. (2016). The use of annual assessment data by (arch)diocesan Catholic schools systems. Paper presented at the 2016 Annual Meeting of the American Educational Research Association, Washington, D.C.

*Berends, M. & Waddington, R. J. (2016). School or “school type” effects? Examining the heterogeneity in student achievement and engagement outcomes between schools of choice in Indianapolis. Paper presented at the 41st Annual Meeting of the Association for Education Finance and Policy, Denver, CO.

*Waddington, R. J. & Berends, M. (2015). Vouchers in the crossroads: Heterogeneous impacts on student achievement and attendance across private schools in Indiana. Paper presented at the 37th Annual Fall Research Conference of the Association for Public Policy Analysis and Management, Miami, FL.

*Waddington, R. J. & Berends, M. (2015). Early impacts of the Indiana Choice Scholarship Program: Three-year achievement effects and non-cognitive outcomes. Paper presented at the 2015 Annual Meeting of the American Educational Research Association, Chicago, IL.

Waddington, R. J. & Clark, R. K. (2015). “Seeking Excellence”: A framework for using longitudinal student-level assessment data in a network of urban Catholic schools. Presentation at the NCEA 2015 Convention and Expo; Catholic Higher Education Supporting Catholic Schools Research Program, Orlando, FL.

*Berends, M. & Waddington, R. J. (2015). Effects of school choice options on student achievement and engagement: Indianapolis’ portfolio of charter, magnet, private, and traditional public schools. Paper presented at the 40th Annual Meeting of the Association for Education Finance and Policy, Washington, DC.

*Waddington, R. J. & Berends, M. (2014). Early impacts of the Indiana Choice Scholarship Program: Achievement effects for students in upper elementary and middle school. Paper presented at “Crossroads of America: The Intersection of Research and Policy in the Indiana School Choice Ecosystem” Invitational Conference, Notre Dame, IN.

*Waddington, R. J. & Berends, M. (2014). Blending into my new school: The integration of voucher students in Indiana private schools. Paper presented at the 2014 Annual Meeting of the American Educational Research Association, Philadelphia, PA.

*Berends, M. & Waddington, R. J. (2014). Examining the portfolio of school choice in Indiana: Effects of charter, magnet, private, and traditional public schools. Paper presented at the 39th Annual Meeting of the Association for Education Finance and Policy, San Antonio, TX. Revised paper

*Each author contributed equally; author order was determined randomly.

presented at “Crossroads of America: The Intersection of Research and Policy in the Indiana School Choice Ecosystem” Invitational Conference, Notre Dame, IN.

Waddington, R. J. & Nam, S. (2014). Practice exams make perfect: Incorporating course resource use into an early warning system. Proceedings of the 4th International Conference on Learning Analytics & Knowledge (pp. 188-192). Indianapolis, IN: ACM.

Waddington, R. J. (2013). The impact of charter schools on urban Catholic school closures. Paper presented at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.

Lonn, S., Krumm, A. E., Waddington, R. J., & Teasley, S. D. (2012). Bridging the gap from knowledge to action: Putting analytics in the hands of academic advisors. Proceedings of the 2nd International Conference on Learning Analytics & Knowledge (pp. 184-187). Vancouver, BC: ACM.

Waddington, R. J. (2012). Urban Catholic school enrollment shifts in the wake of charter schools. Paper presented at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, BC, Canada.

Krumm, A. E., Waddington, R. J., Lonn, S., & Teasley, S. D. (2012). Increasing academic success in undergraduate engineering education using learning analytics: A design based research project. Paper presented at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, BC, Canada.

Krumm, A. E., Waddington, R. J., Lonn, S., & Teasley, S. D. (2011). Collaboration at scale: How and why are instructors using collaborative learning management system tools? Proceedings of the 9th International Conference on Computer Supported Collaborative Learning (pp. 868-869). Hong Kong: LEA.

Waddington, R. J., Lee V. E., & Silver, E. A. (2011). A multilevel cross-national comparison of secondary school characteristics associated with differences in achievement between low- and high-SES students. Paper presented at the 2011 Annual Meeting of the American Educational Research Association, New Orleans, LA.

Krumm, A. E., Vath, R., Waddington, R. J., Lonn, S., & Teasley, S. D. (2011). Using system log data to measure opportunities for learning. Poster presented at the 2011 Annual Meeting of the American Educational Research Association, New Orleans, LA.

INVITED RESEARCH TALKS AND PANEL PARTICIPATION

- “Cream skimming and push out of voucher students in Indiana” (presentation w/ Ron Zimmer & Mark Berends). University of Kentucky Martin School of Public Policy and Administration Seminar Series. September 2018, Lexington, KY.
- “Bringing Civil Rights research to bear on voucher programs: Are the promises realized?” (panel w/ Mark Berends & Megan J. Austin). The Civil Rights Project Capitol Hill Research & Policy Briefing, March 2018, Washington, DC.
- “The Indiana Choice Scholarship Program: Participation, implementation, and impact on achievement” (presentation w/ Mark Berends & Megan J. Austin). United States Department of Education, July 2017, Washington, DC; American Federation for Children Summit. May 2017, Indianapolis, IN.
- “School Choice: Unpacking the Conditions of Effective and Ineffective Schools” (presentation). University of Kentucky College of Education “EdTalks.” May 2017, Lexington, KY.
- “School Choice in Indiana: Impacts of charter schools and school vouchers on student achievement outcomes” (presentation w/ Mark Berends). University of Chicago Committee on Education, Workshop on Education Lecture Series. April 2017, Chicago, IL.
- “What’s next for Kentucky schools? The outlook for K-12 under President Trump” (panel w/ John Garen, Wayne D. Lewis, Jr., Ron Zimmer). Sponsored by John H. Schnatter Institute for the Study of Free Enterprise and BB&T Program for the Study of Capitalism, University of Kentucky Gatton College of Business and Economics. March 2017, Lexington, KY.
- “Charter school research” (panel w/ Jordan Harris, Jeanne Allen, & Joel Adams). Kentucky Charter School Project Public Charter School “Boot Camp,” hosted by Kentucky Chamber of Commerce. January 2017, Frankfort, KY.
- “Charter schools in Kentucky? A review of the evidence on student outcomes” (presentation). Kentucky Board of Education Charter School Study Session. November 2016, Frankfort, KY.
- “Early impacts of the Indiana Choice Scholarship Program: Achievement effects for students in upper elementary and middle school” (presentation w/ Mark Berends). Indiana Non-Public Education Association Board Meeting. November 2016, Indianapolis, IN; University of Kentucky Martin School of Public Policy and Administration Seminar Series. September 2016, Lexington, KY; University of Wisconsin-Madison Interdisciplinary Training Program in Education Sciences Brown Bag Series. March 2015, Madison, WI; Indiana Non-Public Education Association Board Meeting. November 2014, Indianapolis, IN.
- “The future of education” (panel w/ Carmen Coleman & Wayne D. Lewis). University of Kentucky Spring Graduate Student Research Conference. March 2016, Lexington, KY.
- “School or “school type” effects? Examining the heterogeneity in student achievement and engagement outcomes between schools of choice in Indianapolis” (presentation w/ Mark

Berends). University of Kentucky Department of Educational Policy Studies and Evaluation Research Brown Bag Series. February 2016, Lexington, KY.

“Indiana Choice Scholarship Program: Early implementation.” (presentation w/ Mark Berends, Megan J. Austin, John A. Schoenig, & Nicole S. Garnett). Indiana Non-Public Education Association Board Meeting. November 2013, Indianapolis, IN; University of Notre Dame, Institute for Educational Initiatives. April 2013, Notre Dame, IN.

“Urban Catholic schools in expanding charter school markets: Enrollment shifts and school closures” (presentation). University of Notre Dame, Center for Research on Educational Opportunity Seminar. March 2013, Notre Dame, IN.

MEDIA

“A closer look at the future of charter schools in Kentucky.” Covered by [WKYT Lexington](#).

“Impact of the Indiana Scholarship Program: Achievement effects for students in upper elementary and middle school” (with Mark Berends). Published version covered by: [Chalkbeat](#), [CT Mirror](#), [Forbes](#), [Indiana Public Media](#), [Politico](#), [Public News Service](#), [School Matters Indiana](#), [South Bend Tribune](#), [WFYI Indianapolis](#). Initial release covered by: [National Public Radio](#), [New York Times](#), [Washington Post](#), [Wall Street Journal](#), [Los Angeles Times](#), [Chicago Tribune](#), [Education Week](#), [U.S. News and World Report](#), [Time Magazine](#), [National Review](#), [The 74](#), [Chalkbeat](#), [Indianapolis Business Journal](#), [Indianapolis Star](#), [School Matters Indiana](#), [Fort Wayne Gazette](#), [Fort Wayne News Sentinel](#), [Common Dreams](#), [WBOI & Indiana Public Media](#), [WVPE NPR South Bend](#), [WBAA NPR Purdue University](#), [WSBT CBS 22 News South Bend](#), [Lexington Herald-Leader](#), [Chad Hartman CBS Radio Minnesota](#), [Diane Ravitch’s blog](#), [California Political Review](#).

“School choice in Indianapolis: Effects of charter, magnet, private, and traditional public schools” (with Mark Berends). Covered by [National Public Radio](#), [School Matters Indiana](#).

RESEARCH & EVALUATION EXPERIENCE

University of Kentucky College of Education Evaluation Center, Lexington, KY

Evaluation Consultant, 2015-present

“Elizabethtown Community Technical College Online to Workforce (O2W) project,” via U.S. Dept. of Labor/TAACCCT. (PI: J. Jensen).

“Gateway Community Technical College Innovative Multi-Industry Partnership and Career Training (IMPACT) program,” via U.S. Dept. of Labor/TAACCCT. (PI: J. Jensen).

“FLEXSpace Project: Transforming the formal and informal learning environments for underprepared students,” via U.S. Dept. of Educ./First in the World. (PI: J. Jensen).

University of Notre Dame Institute for Educational Initiatives (IEI), Notre Dame, IN
Research Associate, ACE Program Evaluation and Research, 2014-15
Postdoctoral Research Associate, IEI and the Center for Research on Educational Opportunity (CREO),
2012-14

University of Michigan Learning, Education, and Design (LED) Lab, Ann Arbor, MI
Research Collaborator, 2012-15
Graduate Student Research Assistant, 2010-12

University of Michigan School of Education, Ann Arbor, MI
Graduate Student Research Assistant
Using PISA to Develop Activities for Teacher Education (UPDATE) Project, 2009-11
Developing an Empirically-Tested Learning Progression for the Transformation of Matter to
Inform Curriculum, Instruction and Assessment Design Project, 2009
DeepThink/BioKIDS: Supporting Kids' Inquiry of Diverse Species Project, 2007-09

State University of New York at Buffalo Department of Chemistry, Buffalo, NY
Summer Undergraduate Research Assistant, 2005

TEACHING (*instructor of record unless otherwise noted*)

University of Kentucky College of Education, Lexington, KY
“Seminar in Educational Policy Studies and Evaluation” Special Topics Series (EPE 525/773)
“School Choice,” SP19
“Research Design and Analysis in Education” (EPE/EDP 660), FA15, SP16, SU16, FA16, SP17,
SU17, FA17, SP18, SU18, SP19
“Gathering, Analyzing, and Using Educational Data I” (EPE/EDP 557), FA18
“Advanced Quantitative Methods” Special Topics Series (EPE/EDP 711)
“Categorical Data Analysis,” SP18
“Causal and Quasi-Experimental Methods of Education Research,” SP17
“Advanced Topics and Methods of Evaluation” (EPE/EDP/ANT 621), FA16
“Gathering, Analyzing, and Using Educational Data II” (EPE/EDP 558), SP16

Invited Guest Lectures

“Designing Empirical Research and Telling its Story,” Institute of Business Economics and Industrial
Sociology, Graz University of Technology, Graz, Austria, 2017.

ICPSR Summer Program in Quantitative Methods, Ann Arbor, MI

“Introduction to R” Workshop, SU16
“Introduction to OLS Regression” Workshop (Bethesda, MD), SU15
“Introduction to Statistics and Data Analysis II” Four-Week Course, SU14
Teaching Assistant, “Introduction to Statistics and Data Analysis I” and “Introduction to Statistics and
Data Analysis II” Four-Week Courses, SU10, SU11, SU12

Learning Analytics Summer Institute (LASI), Ann Arbor, MI

Co-Leader, “Feature Engineering” Workshop, with Andrew Krumm, SRI International, SU16

University of Notre Dame Education, Schooling, and Society Program, Notre Dame, IN
School Choice: Historical, Theoretical, and Contemporary Perspectives, FA13
Undergraduate Research Apprenticeship Lab, SP13, FA13

University of Michigan School of Education, Ann Arbor, MI
Graduate Student Instructor, Introduction to Quantitative Research Methods in Education (EDUC 793),
FA09, FA10, FA11
Graduate Student Instructor, Non-Experimental Research Methods in Education (EDUC 795), WN10,
WN11, WN12

University of Notre Dame College of Science, Notre Dame, IN
Teaching Assistant, General Chemistry I and II Lab, FA05, SP06

ADVISING

University of Kentucky

Completed Dissertations, Committee Member

Justin Blevins, Department of Educational Policy Studies & Evaluation

Undergraduate Theses, Committee Member

Benjamin Childress, Department of Economics, Gaines Fellow

AWARDS, FELLOWSHIPS, AND HONORS

Teacher Who Made a Difference Award, University of Kentucky College of Education, 2018

Outstanding Dissertation Award, AERA Catholic Education SIG, 2013

Rackham Graduate School Outstanding Graduate Student Instructor Award (nominated), 2012

Rackham Graduate School and School of Education Travel Grant, 2011 & 2012

Rackham Graduate School/School of Education Scholar's Award, University of Michigan, 2007-12

PROFESSIONAL AND SERVICE ACTIVITIES

Professional Affiliations

American Educational Research Association (AERA), Division L (Educational Policy and Politics) & Catholic Education SIG; Association for Education Finance and Policy (AEFP); Association for Public Policy Analysis and Management (APPAM)

Referee

American Educational Research Journal; Economics of Education Review; Educational Evaluation and Policy Analysis; Educational Policy; Journal of Catholic Education; Journal of Policy Analysis and Management; Review of Educational Research

Conference Service

Session Chair, AERA Annual Meeting 2018

Session Chair, AEFPP Annual Meeting 2018

Reviewer, AERA Annual Meeting, 2015, 2017

University Service

University of Kentucky

College of Education

Committee on Media and Information Systems: Member, 2016-present; Chair, 2017-present

Department Chair Survey Task Force, 2016

Department of Educational Policy Studies and Evaluation

Educational Policy Studies Masters' Degree Redesign, 2018

Research Methods in Education Planning & Recruitment, 2017-18

Research Methods in Education Faculty Search Committee: 2017

Admissions Committee, 2016-17

Statements of Evidence Review, 2016

Other

Center for Community Outreach, FUSION Site Advisor, 2015-17

University of Michigan

School of Education Graduate Student Community Organization (GSCO), Social Coordinator, First-Year Ambassador, & Treasurer, 2009-12

School of Education Office of Student Affairs Advisory Board Member, 2011-12

Center for Research on Learning and Teaching, Practice Teaching Facilitator, 2011-12