

CURRICULUM VITA

HENRY MAY

Work Address:

Center for Research in Education and Social Policy (CRESP)
University of Delaware
201A Willard Hall Education Building
Newark, DE 19716
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Education

Ph.D. in Education, December 2002
University of Pennsylvania, Graduate School of Education
Specialization: Policy Research, Evaluation, and Measurement
Dissertation Topic: *Combining Multilevel Modeling, Item Response Theory, and Bayesian Estimation to Improve International Scales of Socioeconomic Status*
Honors: Dissertation merits Distinction; Oral Defense merits Distinction

B.S. with Honors, May 1997
University of Florida
Major: Psychology, Minor: Statistics

Appointments

University of Delaware	Newark, DE
Center for Research in Education and Social Policy (CRESP)	
- Director (2013-)	
College of Education and Human Development	
- Associate Professor (2012-)	
University of Pennsylvania	Philadelphia, PA
Consortium for Policy Research in Education (CPRE)	
- Senior Researcher & Statistician (2009-2012)	
- Researcher & Statistician (2004-2009)	
- Research Specialist (2003-2004)	
- Research Assistant (2001-2002)	
Graduate School of Education, University of Pennsylvania	Philadelphia, PA
- Director of Methodological Training, IES Pre-Doctoral Program (2010-2012)	
- Adjunct Assistant Professor (2009-2012)	
- Research Assistant Professor (2005-2009)	
- Lecturer in Education (2003-2005)	
Center for Research and Evaluation in Social Policy	Philadelphia, PA
- Research Assistant (1998-2002)	
The Campbell Collaboration	Philadelphia, PA
- Research Assistant (2000-2001)	
University of Florida	Gainesville, FL
Research-Based Model Partnership Education Program	
- Research Assistant (1996-1998)	

Papers in Preparation or Under Review

Camburn, E., Goldring, E., Sebastian, J., May, H., & Huff, J. (revise and resubmit under review). Conducting randomized experiments with principals: A case study. *Educational Administration Quarterly*.

Remillard, J., Kim, O. & May, H. (under review). Knowledge of Curriculum Embedded Mathematics: A Critical Domain of Teacher Knowledge. *Journal for Research in Mathematics Education*.

May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., & Ransom, T. (under review). The futility of propensity score methods in a statewide study of International Baccalaureate (IB). *American Journal of Evaluation*.

May, H., Duckworth, A. L., & Boe, E. E. (in preparation). *Knowledge vs. Motivation: What do international comparisons of achievement test scores really tell us?*

Publications in Refereed Journals

May, H., Gray, A., Gillespie, J., Sirinides, P., Sam, C., Goldsworthy, H., Armijo, M., Tognatta, N. (in press). Year one results from the multi-site randomized evaluation of the i3 scale-up of Reading Recovery. *American Education Research Journal*.

Perna, L. W., May, H., Yee, A., Ransom, T., Rodriguez, A., & Fester, R. (2013). Unequal access to rigorous high school curricula: An exploration of the opportunity to benefit from the International Baccalaureate Diploma Programme (IBDP). *Educational Policy*. doi:10.1177/0895904813492383

Ingersoll, R. M., & May, H. (2012). The determinants of mathematics and science teacher turnover. *Educational Evaluation and Policy Analysis*, 34(4), 435-464.

May, H., Huff, J., & Goldring, E. (2012). A longitudinal study of principals' activities and student performance. *School Effectiveness and School Improvement*, 23(4), 417-439.

Zeng, G., Fu, P., May, H., Lopez, B., Suarez-Morales, L., Voelkle, M., Wang, C., & Boruch, R. (2012). America's youngest kindergarteners' elevated levels of internalizing problems at school entry and beyond: Evidence from the Early Childhood Longitudinal Study. *School Mental Health*, 4(3), 129-142.

Weiss, M. J., & May, H. (2012). A policy analysis of the federal growth model pilot program's measures of school performance: The Florida case. *Education Finance and Policy*, 7(1), 44-73.

May, H. & Supovitz, J. A. (2011). The scope of principal influence on instructional practice. *Education Administration Quarterly*, 47(2), 332-352.

Camburn, E., Huff, J., Goldring, E., & May (2010). Assessing the validity of an annual survey for measuring principal leadership practice. *Elementary School Journal*, 111(2), 314-335.

Porter, A.C., Polikoff, M.S., Goldring, E., Murphy, J., Elliott, S.N., & May, H. (2010). Investigating the validity and reliability of the Vanderbilt Assessment of Leadership in Education. *The Elementary School Journal*, 111(2), 282-313.

- Duckworth, A. L., Tsukayama, E., & May, H. (2010). Establishing causality using longitudinal hierarchical linear modeling: An illustration predicting achievement from self-control. *Social Psychological and Personality Science*, 1(4), 311-317.
- Polikoff, M. S., May, H., Porter, A. C., Elliott, S. N., Goldring, E., & Murphy, J. F. (2010). An examination of differential item functioning on the Vanderbilt Assessment of Leadership in Education. *Journal of School Leadership* 19(6), 661-679.
- Supovitz, J. A., Sirinides, P., & May, H. (2010) How principals and peers influence teaching and learning. *Journal of Education Administration Quarterly*, 46(1), 31-56.
- Spillane, J. P., Pareja, A. S., Dorner, L., Barnes, C., May, H., Huff, J., & Camburn, E. (2010). Mixing methods in randomized controlled trials (RCTs): Validation, contextualization, triangulation, and control. *Educational Assessment, Evaluation, and Accountability*, 22(1), 5-28.
- Porter, A.C., Polikoff, M.S., Goldring, E., Murphy, J., Elliott, S.N., & May, H. (2010). Developing a psychometrically sound assessment of school leadership: The VAL-ED as a case study. *Educational Administration Quarterly*, 46(2), 135-173.
- Goldring, E., Huff, J., May, H., & Camburn, E., (2008). School context and individual characteristics: What influences principal practice? *Journal of Educational Administration*, 46(3), 332-352.
- Borradaile K. E., Foster G. D., May, H., Karpyn, A., Sherman, S., Grundy, K., Nachmani, J., Vander Veur, S., Boruch, R. F. (2008). Associations between the Youth/Adolescent Questionnaire, the Youth/Adolescent Activity Questionnaire, and body mass index z-score in low-income inner-city fourth through sixth grade children. *American Journal of Clinical Nutrition*, 87, 1650–1655.
- May, H. & Supovitz, J. A. (2006). Capturing the cumulative effects of school reform: An 11-year study of the impacts of America's Choice on student achievement. *Educational Evaluation and Policy Analysis*, 28(3), 231-257.
- May, H. (2006). A multilevel Bayesian IRT method for scaling socioeconomic status in international studies of education. *Journal of Educational and Behavioral Statistics*, 31(1), 63-79.
- May, H. (2004) Making statistics more meaningful for policy research and program evaluation. *American Journal of Evaluation*, 25(4), 525-540.
- Supovitz, J. A., & May, H. (2004). A study of the links between implementation and effectiveness of the America's Choice comprehensive school reform design. *Journal of Education for Students Placed At Risk*,9(4), 389-419.
- Boruch, R. F., May, H., Lavenberg, J., Turner, H. M., Petrosino, A., De Moya, D., Grimshaw, J., & Foley, E. (2004). Estimating the effects of interventions that are deployed in many places: Place randomized trials. *American Behavioral Scientist*, 47, 608-633.

Other Journal Articles

Ingersoll, R., Merrill, L., & May, H. (2012). Retaining teachers: How preparation matters. *Educational Leadership*, 69(8), 30-34.

Ingersoll, R. M., & May, H. (2011). The minority teacher shortage: Fact or Fable? *Phi Delta Kappan*, 93 (1), 62-65.

Book Chapters

May, H. (2012). Nonequivalent comparison group designs. In Harris M. Cooper (Ed.) *Handbook of research methods in psychology: Vol. 2*. Washington DC: American Psychological Association.

Goldring, E., May, H., & Huff, J. (2010). Principals' leadership practices over time: Contextual influences on what principals do. In Wayne K. Hoy and Michael DiPaola Eds. *Analyzing school contexts: Influences of principals and teachers in the service of students*. Charlotte NC: IAP.

Boe, E. E., May, H., Barkanic, G., & Boruch, R. F. (2004) Predictors of national differences in mathematics and science achievement of eighth-grade students: Data from TIMSS. In N. F. McGinn (ed.), *Learning through collaborative research: The six-nation education research project* (pp. 21-52). New York: Routledge Farmer.

Peer-Reviewed Research Reports

Ingersoll, R., Merrill, L., & May, H. (2014). *What are the effects of teacher education and preparation on beginning teacher attrition?* Research Report (#RR-82). Philadelphia: Consortium for Policy Research in Education, University of Pennsylvania.

May, H., Gray, A., Gillespie, J., Sirinides, P., Sam, C., Goldsworthy, H., Armijo, M., Tognatta, N. (2013). *Evaluation of the i3 scale-up of Reading Recovery: Year one report, 2011-12*. Philadelphia, PA: Consortium for Policy Research in Education (CPRE); Newark, DE: Center for Research in Education and Social Policy (CRESP).

May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., Ransom, T. (2013). *Apples and oranges: Comparing the backgrounds and academic trajectories of International Baccalaureate (IB) students to a matched comparison group*. Philadelphia, PA: Consortium for Policy Research in Education (CPRE); Newark, DE: Center for Research in Education and Social Policy (CRESP).

Sirinides, P., Supovitz, J., Tognatta, N., & May, H. (2013). *The impact of the GE Foundation Developing Futures in Education program on mathematics performance trends in four districts*. Philadelphia, PA: Consortium for Policy Research in Education (CPRE).

Ingersoll, R. M., & May, H. (2011). *Recruitment, Retention and the Minority Teacher Shortage*. Philadelphia, PA: Consortium for Policy Research in Education.

Ingersoll, R. M., & May, H. (2011). *The magnitude, destinations, and determinants of mathematics and science teacher turnover*. Philadelphia, PA: Consortium for Policy Research in Education.

Cole, R., Haimson, J., Perez-Johnson, I., & May, H. (2011). *Variability in pretest-posttest correlation coefficients by student achievement level* (NCEE 2011-4033). Washington, DC: National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education.

May, H., Perez-Johnson, I., Haimson, J., Sattar, S., & Gleason, P. (2009). *Using state tests in education experiments: A discussion of the issues* (NCEE 2009-013). Washington, DC: National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education.

May, H., & Robinson, M. A., (2007). *A randomized evaluation of Ohio's Personalized Assessment Reporting System (PARS)*. Philadelphia, PA: Consortium for Policy Research in Education.

May, H., Supovitz, J. A., & Perda, D. (2004). *A longitudinal study of the impact of America's Choice on student performance in Rochester, New York, 1998-2003*. Philadelphia, PA: Consortium for Policy Research in Education.

May, H., Supovitz, J. A., & Lesnick, J. (2004). *The impact of America's Choice on students' writing performance in Georgia in the first year*. Philadelphia, PA: Consortium for Policy Research in Education.

Supovitz, J. A., & May, H. (2003). *The relationship between teacher implementation of America's Choice and student learning in Plainfield, New Jersey*. Philadelphia, PA: Consortium for Policy Research in Education.

Supovitz, J. A., Taylor, B. S., & May, H. (2002). *Impact of America's Choice on student performance in Duval County, Florida*. Philadelphia, PA: Consortium for Policy Research in Education.

Other Research Reports

Porter, A. C., Murphy, J., Goldring, E., Elliott, S. N., Polikoff, M. S., & May, H. (2008). *Vanderbilt Assessment of Leadership in Education: Technical manual, Version 1.0*. Nashville, TN: Vanderbilt University.

May, H., Robinson, M., & Corcoran, T. (2007). *The El Paso staff developer study: Overview and initial findings of the Math/Science Partnership (MSP) middle grades initiative, 2005-2007*. Philadelphia, PA: Consortium for Policy Research in Education (CPRE).

Boe, E. E., May, H., Shin, S., & Boruch, R. F. (2002). *Student Task Persistence in the Third International Mathematics and Science Study: A major source of achievement differences at the national, classroom, and student levels*. (Research Rep. No. 2002-TIMSS1). Philadelphia, PA: CRESPI, University of Pennsylvania.

Boe, E. E., May, H., Barkanic, G., & Boruch, R. F. (2001). *Predictors of national differences in mathematics and science achievement of eighth grade students: Data from TIMSS for eighth grade students*. (Research Rep. No. 2001-TIMSS1). Philadelphia, PA: CRESPI, University of Pennsylvania.

Boe, E. E., Barkanic, G., Leow, C. S., May, H., Shin, S., Singleton, J. C., Zeng, G. & Boruch, R. F. (2001). *Correlates of national differences in mathematics and science achievement: Evidence from TIMSS*. (Data Analysis Rep. No. 2001-DAR1). Philadelphia, PA: CRESPP, University of Pennsylvania.

Boe, E. E., May, H., Leow, C. S., & Barkanic, G. (2000). *The rise and fall of national performance in mathematics and science: Changes in relative national standing from the fourth grade to the final year of secondary school*. Philadelphia, PA: CRESPP, University of Pennsylvania.

Boe, E. E., Turner, H. M., May, H., Leow, C. S., & Barkanic, G. (1999). *The role of student attitudes and beliefs about mathematics and science learning in academic achievement: Evidence from TIMSS for six nations*. (Data Analysis Rep. No. 1999-DAR3). Philadelphia, PA: CRESPP, University of Pennsylvania.

Refereed Conference Presentations

May, H. (2014). *Distortions in Distributions of Impact Estimates in Multi-Site Trials: The Central Limit Theorem Is Not Your Friend*. Society for Research on Educational Effectiveness (SREE), September 4, 2014, Washington, DC.

D'Agostino, J. & May, H. (2014). *Scaling Up Effective Reforms: Findings From the i3 Scale-Up Grants – Reading Recovery Treatment Effect Variation*. Invited Presentation at the Annual Meeting of the American Educational Research Association, April, 6, 2014, Philadelphia, PA.

May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., Ransom, T. (2014). *The futility of propensity score methods in a statewide study of International Baccalaureate (IB)*. Presented at the Annual Meeting of the American Educational Research Association, April, 4, 2014, Philadelphia, PA.

May, H., Sirinides, P., Gray, A., Armijo, M., Gillespie, J., Goldsworthy, H., Sam, C. & Blalock, T. (2014). *Linking Implementation to Impacts: Year 2 Results from the Mixed-Methods Evaluation of the Reading Recovery Investing in Innovation (i3) Scale-Up*. Presented at the Annual Meeting of the American Educational Research Association, April, 4, 2014, Philadelphia, PA.

May, H., Rodriguez, A., Sirinides, P., Perna, L., Yee, A., Ransom, T. (2014). *The futility of propensity score methods in a statewide study of International Baccalaureate (IB)*. Society for Research on Educational Effectiveness, March 6, 2014.

D'Agostino, J. & May, H. (2014). *Impact studies of Reading Recovery over time*. Society for Research on Educational Effectiveness, March 7, 2014.

May, H., Sirinides, P., & Gillespie, J. (2013). *Results from the Reading Recovery multisite randomized experiment*. Presented at the Annual Meeting of the American Educational Research Association, April, 28, 2013, San Francisco, CA.

Sirinides, P., & May, H. (2013). *Unpacking the effects of Reading Recovery: Exploring contextual predictors of variation in impacts*. Presented at the Annual Meeting of the American Educational Research Association, April, 28, 2013, San Francisco, CA.

- Camburn, E., Huff, J., Sebastian, J., Goldring, E., & May, H. (2013). *A case study in implementing randomized experiments with principals*. Presented at the Annual Meeting of the American Educational Research Association, April, 28, 2013, San Francisco, CA.
- Buell, M., Han, M., May, H., & Vukelich, C. (2013). *Exploring variance in the Pre-K Classroom Assessment Scoring System (CLASS) across classroom contexts*. Presented at the Annual Meeting of the American Educational Research Association, April, 30, 2013, San Francisco, CA.
- Ingersoll, R., Merrill, L., & May, H. (2013). *What are the effects of teacher education and preparation on beginning teacher retention?* Presented at the Annual Meeting of the American Educational Research Association, April, 30, 2013, San Francisco, CA.
- Ingersoll, R., Merrill, L., & May, H. (2013). *What impact have accountability policies and practices had on the retention of teachers?* Presented at the Annual Meeting of the American Educational Research Association, May 1, 2013, San Francisco, CA.
- Ingersoll, R. M., & May, H. (2012). *Recruitment, retention and the minority teacher shortage*. Presented at the Annual Meeting of the American Educational Research Association, April, 16, 2012, Vancouver, BC.
- May, H., & D'Agostino, J. (2012). *Exploring treatment variation in the scale-up of Reading Recovery*. Presented at the Spring Meeting of the Society for Research on Educational Effectiveness, March 8, 2012.
- Perna, L. W., May, H., Yee, A., Ransom, T., Rodriguez, A., & Fester, R. (2011). *The potential role of the International Baccalaureate (IB) Diploma Programme in improving academic preparation for college for all students*. Presented at the Annual Meeting of the Association for the Study of Higher Education, Charlotte, North Carolina, November 2011.
- May, H., and Supovitz, J. (2011). *Targeted versus broad instructional leadership: Examining how principals focus their effort*. Presented at the Annual Meeting of the American Educational Research Association, April, 11, 2011, New Orleans, LA.
- May, H., and Perna, L. (2011). *A longitudinal analysis of student and school diversity in the International Baccalaureate (IB) Diploma Program in the United States*. Presented at the Annual Meeting of the American Educational Research Association, April, 9, 2011, New Orleans, LA.
- Ingersoll, R. M., and May, H. (2011). *What are the effects of teacher preparation on beginning math and science teacher retention?* Presented at the Annual Meeting of the American Educational Research Association, April, 10, 2011, New Orleans, LA.
- Kim, O., May, H., Clay, E. L. (2011). *Conceptualizing and assessing curriculum-embedded mathematics knowledge*. Presented at the Annual Meeting of the American Educational Research Association, April 10, 2011, New Orleans, LA.
- May, H., Perez-Johnson, I., Haimson, J., Sattar, S., & Gleason, P. (2010). *Using state tests for evaluation purposes*. CCSSO National Conference on Student Assessment, June 21, 2010.

Cole, R., Haimson, J., Perez-Johnson, I. & May, H. (2010). *Assessing the conditional reliability of state achievement tests*. Society for Research on Educational Effectiveness, March 4, 2010.

May, H., Goldring, E., and Huff, J. (2009) *A longitudinal study of principals' activities and student performance*. Presented at the Annual Meeting of the American Educational Research Association, April 16, 2009.

Goldring, E., May, H., and Huff, J. (2008) *Principals' Leadership Practices Over Time: Contextual influences on what principals do*. Presented at the Annual Meeting of the American Educational Research Association, March, 28, 2008.

Barnes, C., Camburn, E., Goldring, E., & May, H. (2007) *Measuring the effects of leadership interventions on knowledge, practice, and school outcomes: Randomized experiments and challenges from the field*. University Council for Educational Administration (UCEA) Pre-Conference Workshop, November 15, 2007.

May, H. & Robinson, M. A. (2007). *Can a state graduation test be transformed into a formative assessment? Preliminary findings from the randomized evaluation of Ohio's Personalized Assessment Reporting System*. Paper presented at the meeting of the American Education Research Association, Chicago, IL.

May, H. & Baldwin, G. L. (2007). *Informing instruction and enhancing student performance with low-stakes benchmark testing*. Paper presented at the Florida Educational Technology Conference, Orlando, FL.

Camburn, E. M., Goldring, E., May, H., Supovitz, J. A., Barnes, C., Spillane, J. P. (2007). *Lessons learned from an experimental evaluation of a principal professional development program*. Paper presented at the meeting of the American Education Research Association, Chicago, IL.

Spillane, J. P., Stitzel Pareja, A., Barnes, C., Camburn, E., Huff, J., Goldring, E., May, H. (2007). *Mixed methods in randomized trials: Realizing the potential, avoiding the pitfalls*. Paper presented at the meeting of the American Education Research Association, Chicago, IL.

Goldring, E., Camburn, E., Huff, J., Sebastian, J., May, H. (2007). *Effects of the National Institute for School Leadership: Early results from a randomized field trial*. Paper presented at the meeting of the American Education Research Association, Chicago, IL.

May, H. & Baldwin, G. L. (2006). *A study of the validity of Orange County Public Schools' benchmark assessments for predicting student FCAT performance*. Paper presented at the meeting of the Florida Education Research Association, Jacksonville, FL.

Goldring, E., Huff, J., May, H., Camburn, E. (November, 2006). *School context and individual characteristics: What influences what principals really do?* Paper presented at the meeting of the University Council for Educational Administration, San Antonio, TX.

May, H., Weiss, M.J., & Taylor, B. S. (2006). *From federal AYP to value added models: What are the most meaningful and valid measures of school performance?* Paper

presented at the meeting of the American Education Research Association, San Francisco, CA.

May, H. (2005). *The reality of designing field experiments in education: Using monte carlo methods for power analysis and design decisions*. Paper presented at the meeting of the American Education Research Association, Montreal, Canada.

May, H. (2004). *A longitudinal study of the impact of America's Choice on student performance in Rochester, NY*. Paper presented at the meeting of the National Clearinghouse on Comprehensive School Reform, Network of Researchers, Washington, DC.

May, H. (2004). *Practical longitudinal analysis of student achievement using cross-classified Bayesian hierarchical linear modeling*. Paper presented at the meeting of the American Education Research Association, San Diego, CA.

May, H. (2004). *Quick, easy, and cost-free adjustment of standard errors in analyses of data from ECLS, PISA, SASS, TIMSS, and other large databases*. Paper presented at the meeting of the American Education Research Association, San Diego, CA.

Supovitz, J. A., & May, H. (2004). *A longitudinal study of the impact of America's Choice on student performance in Rochester, NY*. Paper presented at the meeting of the Eastern Evaluation Research Society, Absecon, NJ.

Supovitz, J. A., & May, H. (2003). *The relationship between teacher implementation of America's Choice and student learning in Plainfield, New Jersey*. Paper presented at the meeting of the Eastern Evaluation Research Society, Absecon, NJ.

May, H., Boe, E., & Boruch, R. (2002). *The ecological fallacy in comparative and international education research: Discovering more from TIMSS through multilevel modeling*. Paper presented at the meeting of the American Education Research Association, New Orleans, LA.

May, H. (2000). *Socioeconomic status and student achievement: An international perspective*. Paper presented at the Multinational Confederation for Research with TIMSS, Berlin, Germany

Grant Funding

Understanding the Effects of Mathematics Teacher Preparation on the Quality of Classroom Teaching and Students Learning. Funded by the National Science Foundation (NSF). Dawn Berk, PI; Jim Hiebert, Co-PI; Henry May, Senior Advisor. (8/14 to 7/17; \$1,024,679).

Does a Supermarket Improve the Diet & Food Environment of Low-Income Residents? Funded by the National Institutes of Health (NIH) Grant Number 1R01DK102324-01. Allison Karpyn, PI; Henry May, Co-PI (02/25/2014 – 01/31/2018; \$1,926,424)

Bridging Cognitive Science and Education: Products and Processes in Mathematics, Language and Cognition. Postdoctoral training program funded by the US Dept. of Education, Institute of Education Sciences (IES). Roberta Golinkoff, Nancy Jordan, Henry May, Co-PIs (09/13 to 08/17; \$645,744).

Teacher Preparation Improvement. Funded by the Delaware Department of Education. Carol Vukelich, PI; Henry May & Kate Scantlebury, Co-PIs. (07/13 to 06/15; \$120,000)

Evaluation of GE Developing Futures in Education initiatives. Funded by the General Electric Foundation. Jon Supovitz, PI; Henry May, Co-Investigator (12/10 to 11/13; \$2,564,099).

Evaluation of the Scale-Up of Reading Recovery. Funded by the US Department of Education, Investing in Innovation Program (i3) as a subcontract to Ohio State University. Henry May, PI (08/10 to 08/15; \$3,999,828).

A Longitudinal Study of International Baccalaureate Students' Postsecondary Educational Access, Performance, and Persistence. Funded by the US Dept. of Education, Institute of Education Sciences (IES). Henry May, PI; Laura Perna, Co-PI (03/09 to 02/11; \$700,000).

Use of State Achievement Tests to Measure Student Outcomes in Education RCTs. Funded by the US Dept. of Education, Institute of Education Sciences (IES) through a Subcontract with Mathematica Policy Research. Henry May, PI (09/08 to 04/09; \$43,029).

The Effects of Accountability and Teacher Preparation on Mathematics and Science Teacher Retention. Funded by the National Science Foundation. Richard Ingersoll, PI. Henry May, Senior Researcher (09/08 to 08/11; \$1,000,000).

The Development and Validation of the Vanderbilt Assessment of Leadership in Education (VAL-ED). Funded by the US Dept. of Education, Institute of Education Sciences (IES). Andrew Porter, PI; Henry May, Senior Researcher (08/08 to 08/12; \$1,597,179)

Center on the Instructional Improvement Cycle (CIIC) , Phase II. Funded by the William and Flora Hewlett Foundation. Margaret Goertz, PI; Henry May, Co-PI (08/07 to 01/09; \$2,000,000).

Evaluation of the Children's First Intensive (CFI) Program in New York City. Funded by the NYC Department of Education, Fund for Schools. Henry May, PI (4/08 to 7/08; \$13,485)

Center on the Instructional Improvement Cycle (CIIC), Phase I. Funded by the William and Flora Hewlett Foundation. Margaret Goertz, PI; Henry May, Senior Researcher (02/06 to 12/07; \$1,100,000).

The Organizational Sources of Mathematics and Science Teacher Turnover. Funded by the National Science Foundation. Richard Ingersoll, PI. Henry May, Senior Researcher (08/05 to 06/09; \$800,654).

Evaluation of the Impact of El Paso MSP Initiatives at the Middle School Level. Funded by the National Science Foundation as a subcontract to the University of Texas at El Paso. Henry May, PI (formerly Co-PI with Tom Corcoran) (06/05 to 09/07; \$1,148,353).

Evaluation of the Personalized Assessment Reporting System (PARS). Funded by the Ohio Department of Education. Henry May, PI (11/05 to 08/07; \$180,000)

Providing Research Support for the International Studies Schools Network. Funded by the Asia Society's International Studies School Network (ISSN). Henry May, PI (formerly Co-PI with Tom Corcoran) (05/06 to 08/07; \$201,455)

Regression Discontinuity Study of the Ramp-Up Programs. Funded by the National Center on Education and the Economy (NCEE). Jon Supovitz, PI; Henry May, Co-PI (09/05 to 12/08; \$347,350)

Teaching Experience

University of Delaware, Department of Human Development and Family Studies
Research Issues and Designs
HDFS 815, Spring 2014

University of Delaware, School of Education
Multilevel Models in Education
EDUC 873, Fall 2012-2013

University of Delaware, Department of Human Development and Family Studies
Longitudinal Statistical Research in Human Development
HDFS 667, Spring 2013

Analytical Methods for Local Research & Evaluation
EDUC 801.407, Fall 2005-2011
University of Pennsylvania, Graduate School of Education

Research Proposal and Instrument Design
EDUC 801.422, Fall/Spring 2006-2012.
Co-taught with Dr. Sharon Ravitch and Dr. Elliot Weinbaum.
University of Pennsylvania, Graduate School of Education

Advanced Statistical Methods: Regression and Analysis of Variance
EDUC 767.001, Spring 2003-2008, Fall/Spring 2010-2012
University of Pennsylvania, Graduate School of Education

Program Analysis: Becoming a more sophisticated consumer of educational research
EDUC 801.923, Fall 2002.
Co-taught with Dr. Jonathan A. Supovitz

Dissertation Committees

* denotes chair

*Dandan Chen, School of Education, Univ. of Delaware (2016)
Finan, Laura, Dept. Human Development and Family Studies, Univ. of Delaware (2015)
Chunyan Yang, School of Education, Univ. of Delaware (2015)
Akisha Jones, School of Education, Univ. of Delaware (2015)
Haruka Konishi, School of Education, Univ. of Delaware (2014)
Gina Arnone, Graduate School of Education, Univ. of Pennsylvania (2014)
*Debra Coffey, School of Education, Univ. of Delaware (2013)
Lisa Merrill, Graduate School of Education, Univ. of Pennsylvania (2013)

John Knutsen, Graduate School of Education, Univ. of Pennsylvania (2013)
*Dawnelle Walker, Graduate School of Education & Wharton, Univ. of Pennsylvania (2013)
*Jean Pierre Gagnon, Graduate School of Education, Univ. of Pennsylvania (2013)
Eli Tsukayama, Department of Psychology, Univ. of Pennsylvania (2012)
*Paige Billings, Graduate School of Education, Univ. of Pennsylvania (2012)
*Nathaniel Coffman, Graduate School of Education, Univ. of Pennsylvania (2012)
*Wesley Kawata, Graduate School of Education & Wharton, Univ. of Pennsylvania (2012)
Robert Connor, Graduate School of Education, Univ. of Pennsylvania (2011)
*Stacey Petrey, Graduate School of Education & Wharton, Univ. of Pennsylvania (2011)
*Ebbie Parsons, Graduate School of Education, Univ. of Pennsylvania (2011)
Ann DeRosa, Graduate School of Education, Univ. of Pennsylvania (2011)
*Joseph Steier, Graduate School of Education & Wharton, Univ. of Pennsylvania (2010)
Stacy Phillips, Graduate School of Education, Univ. of Pennsylvania (2010)
*Melissa Saunders, Graduate School of Education, Univ. of Pennsylvania (2010)
Greg Maloberti, Graduate School of Education, Univ. of Pennsylvania (2010)
*Jean Dames, Graduate School of Education & Wharton, Univ. of Pennsylvania (2009)
*J.P. Orlando, Graduate School of Education & Wharton, Univ. of Pennsylvania (2009)
*Mike Barger, Graduate School of Education & Wharton, Univ. of Pennsylvania (2009)
Anne Catena, Graduate School of Education, Univ. of Pennsylvania (2009)
Mindy Hong, Graduate School of Education, Univ. of Pennsylvania (2009)
Julie Riordan, Graduate School of Education, Univ. of Pennsylvania (2009)
David Perda, Graduate School of Education, Univ. of Pennsylvania (2009)
Kwok-Sze (Richard) Wong, Graduate School of Education, Univ. of Pennsylvania (2008)
Romilla Karnati, Graduate School of Education, Univ. of Pennsylvania (2008)
Elizabeth Woodburn, Graduate School of Education, Univ. of Pennsylvania (2008)
Constance Keefe, Graduate School of Education, Univ. of Pennsylvania (2008)
Michael Weiss, Graduate School of Education, Univ. of Pennsylvania (2008)
Irma Perez-Johnson, Graduate School of Education, Univ. of Pennsylvania (2008)
Kelley Borradaile, Graduate School of Education, Univ. of Pennsylvania (2007)
John M. Weathers, Graduate School of Education, Univ. of Pennsylvania (2006)
Joy K. Lesnick, Graduate School of Education, Univ. of Pennsylvania (2006)
Brooke Snyder-Taylor, Graduate School of Education, Univ. of Pennsylvania (2005)

Awards

“Outstanding Paper Award” (2009), Emerald Literati Network. For: Goldring, E., Huff, J., May, H., & Camburn, E., (2008). School context and individual characteristics: What influences principal practice? *Journal of Educational Administration*, 46(3), 332-352.

AERA Outstanding Reviewer Award (2009), Review of Education Research

First Place - Advances in Methodology in AERA Division H's Outstanding Paper Competition 2007 awarded to May, H. & Supovitz, J. A. (2006). Capturing the cumulative effects of school reform: An 11-year study of the impacts of America's Choice on student achievement. *Educational Evaluation and Policy Analysis*, 28(3), 231-257.

AERA Outstanding Reviewer Award (2005), *Educational Evaluation and Policy Analysis*

"Best Paper" award (2002), AERA International Studies Special Interest Group. For: *The ecological fallacy in comparative and international education research: Discovering more from TIMSS through multilevel modeling*.

Invited Lectures

The futility of propensity score methods in a statewide study of International Baccalaureate (IB). IES Pre-Doctoral Training Program, University of Pennsylvania. March 24, 2014.

Methods workshop on Hierarchical Linear Modeling. IES Pre-Doctoral Training Program, University of Pennsylvania. January 24, 2014.

A discussion of fixed and random effects models in education research: Their use, interpretation, and limitations. IES Pre-Doctoral Training Program, University of Pennsylvania. March 15, 2010.

Whether and how to use state tests in education experiments. National Laboratory Network T@3 Conference, February 4, 2010.

Whether and how to use state tests in education experiments. Regional Education Laboratory Directors' Meeting, July 23, 2009.

Issues in the use of state tests in education experiments. Institute of Education Sciences, March 7, 2009.

The statewide randomized evaluation of Ohio's Personalized Assessment Reporting System (PARS). Consortium for Chicago School Research, March 16, 2009.

The statewide randomized evaluation of Ohio's Personalized Assessment Reporting System (PARS). Johns Hopkins University, March 6, 2009.

The statewide randomized evaluation of Ohio's Personalized Assessment Reporting System (PARS). Mathematica Policy Research, February 27, 2009.

Findings from the statewide randomized evaluation of Ohio's Personalized Assessment Reporting System (PARS). Univ. of Pennsylvania IES Colloquium, December 8, 2008.

Evaluation: Quantitative vs. Qualitative (with Sharon Ravitch). Maisie Learning Conference. October 28, 2009.

May, H. (2007). *Using psychometric analyses to inform item revision on the Fairfax County Schools benchmark assessments*. Presentation to the Fairfax County Public Schools, Division of Instructional Services, Fairfax, VA.

Measuring the effects of leadership interventions on knowledge, practice, and school outcomes: Randomized experiments and challenges from the field. University Council for Educational Administration (UCEA) Pre-Conference Workshop, November 15, 2007.

Methods and tools for research using longitudinal achievement databases from states and districts. IES Pre-Doctoral Training Program, University of Pennsylvania. May 1, 2006.

Bayesian estimation of longitudinal mixed models when nesting of data is not pure. Department of Epidemiology and Biostatistics, University of Pennsylvania. October 27, 2003.

Data management and statistical analysis using the SAS System. Annenberg School for Communication, University of Pennsylvania. July, 2002.

Hierarchical Linear Modeling using HLM5. Graduate School of Education, University of Pennsylvania. November, 2001.

Data management and statistical analysis using the SAS System. Graduate School of Education, University of Pennsylvania. October, 2001.

Academic and Professional Affiliations

American Evaluation Association (AEA)
American Educational Research Association (AERA)
American Psychological Association (APA)
American Statistical Association (ASA)
Campbell Collaboration (C2)
Society for Research on Educational Effectiveness (SREE)

Service

Grant Review Panel Member (2014) Institute of Education Sciences, National Center for Education Research, Pre-Doctoral Training Programs

Search Committee Member (2013-14). University of Delaware, Department of Human Development and Family Studies

Search Committee Member (2012-13). University of Delaware, Department of Human Development and Family Studies

Conference Chair, Methods Section, Society for Research in Educational Effectiveness, Spring 2012

Grant Review Panel Member (2009-2013) Institute of Education Sciences, National Center for Education Research, Systems and Broad Reform

Reviewer:

- American Educational Research Journal
- American Journal of Education
- American Journal of Evaluation

- Educational Administration Quarterly
- Educational Evaluation and Policy Analysis
- Journal of Education for Students Placed at Risk
- Journal of Educational and Behavioral Statistics
- Journal of Research on Educational Effectiveness
- Review of Education Research
- School Effectiveness and School Improvement

Professional Consulting

American Institutes for Research, Washington, D.C.
Arizona State University, Learning Science Institute, Tempe, AZ
AstraZeneca Pharmaceuticals LP, Wilmington, DE
Consortium on Chicago School Research, Chicago, IL
Co-nect Inc., Cambridge, MA
CORE-K12, Jersey City, NJ
Downingtown Area School District
Einstein Healthcare System, Philadelphia, PA
M. Davis and Company, Inc., Philadelphia, PA
Mathematica Policy Research, Inc.
Mondo Publishing, New York, NY
Northwestern University, Evanston, IL
Office of the State Superintendent of Education, Washington, D.C.
Orange County Public Schools, Orlando, FL
Springfield School District, Delaware County, PA
St. Joseph's University, Philadelphia, PA
Teachers College, Columbia University, New York, NY
Tembo Inc., Philadelphia, PA
The Princeton Review, New York, NY
The Washington Post, Washington D.C.
U.S. Department of Education, Washington, D.C.
Vanderbilt University, Nashville, TN
Windwalker Corporation, McLean, VA