

IAN MCCARTHY
Emory University, Department of Economics
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PROFESSIONAL APPOINTMENTS

Emory University , Atlanta, GA	
Associate Professor, Department of Economics	2020 – Present
Assistant Professor, Department of Economics	2014 – 2020
National Bureau of Economic Research	
Faculty Research Fellow, Health Economics Group	2017 – Present
Southern Methodist University , Dallas, TX	
Adjunct Professor, Department of Economics	2011 – 2014
Baylor Health Care System , Dallas, TX	
Director of Health Economics	2013 – 2014
Associate Investigator	2012 – 2013
FTI Consulting , Dallas, TX	
Director, Economic Consulting Practice	2010 – 2012
Senior Consultant, Economic Consulting Practice	2008 – 2010
Kimetrica	
External Consultant	2007 – 2008

EDUCATION

Indiana University , Bloomington, IN	
Ph.D. in Economics	May 2008
M.A. in Economics	Feb 2007
University of North Texas , Denton, TX	
B.B.A. in Economics	May 2004

PEER-REVIEWED PUBLICATIONS IN ECONOMICS

1. Lin, Haizhen, **I. McCarthy**, and M. Richards. 2021. "Hospital Pricing Following Integration with Physician Practices," *Journal of Health Economics*, forthcoming
2. Howard, D. and **I. McCarthy**. 2021. "Deterrence effects of antifraud and abuse enforcement in health care," *Journal of Health Economics*, 75
3. Harris, M., Y. Liu, and **I. McCarthy**. 2020. "Capacity Constraints and Time Allocation in Public Health Clinics," *Health Economics* 29(3):324-336.
4. **McCarthy, I.** 2018. "Quality Disclosure and the Timing of Insurers' Adjustments: Evidence from Medicare Advantage," *Journal of Health Economics* 61:13-26.
5. **McCarthy, I.** and S. Huang. 2018. "Vertical Alignment Between Hospitals and Physicians as a Bargaining Response to Commercial Insurance Markets," *Review of Industrial Organization* 53:7-29.
6. Almada, L. and **I. McCarthy**. 2017. "It's a Cruel Summer: Household Responses to Reductions in Government Nutrition Assistance," *Journal of Economic Behavior and Organization* 143:45-57.
7. **McCarthy, I.** and M. Darden. 2017. "Supply-side Responses to Public Quality Ratings: Evidence from Medicare Advantage," *American Journal of Health Economics* 3(2):140-164.
8. **McCarthy, I.** 2016. "Eliminating Composite Bias in Treatment Effects Estimates: Applications to Quality of Life Assessment," *Journal of Health Economics* 50:47-58.
9. Almada, L., **I. McCarthy**, and R. Tchernis. 2016. "What Can We Learn about the Effects of Food Stamps on Obesity in the Presence of Misreporting?" *American Journal of Agricultural Economics*, 98(4):997-1017.

Honorable Mention (2nd of 18 papers nominated) for Best Paper in the Economics of Food Safety and Nutrition by the Agricultural and Applied Economics Association

10. **McCarthy, I.** 2016. "Advertising Intensity and Welfare in an Equilibrium Search Model," *Economics Letters* 141:20-26.
11. Darden, M. and **I. McCarthy.** 2015. "The Star Treatment: Estimating the Impact of Star Ratings on Medicare Advantage Enrollments," *Journal of Human Resources* 50(4):980-1008.
12. **McCarthy, I.** 2015. "Putting the Patient in Patient Reported Outcomes: A Robust Methodology for Health Outcomes Assessment," *Health Economics* 24(12):1588-1603.
13. **McCarthy, I.**, D. Millimet, and M. Roy. 2015. "Bounding Treatment Effects: Stata Command for the Partial Identification of the Average Treatment Effect with Endogenous and Misreported Treatment Assignment," *The Stata Journal* 15(2):411-436.
14. **McCarthy, I.**, C. Robinson, S. Huq, M. Philastre, and R. Fine. 2015. "Cost Savings from Palliative Care Teams and Guidance for a Financially Viable Palliative Care Program," *Health Services Research* 50(1):217-236.
15. **McCarthy, I.**, D. Millimet, and R. Tchernis. 2014. "The bmte Command: Methods for the Estimation of Treatment Effects when Exclusion Restrictions are Unavailable," *The Stata Journal* 14(3):670-683.
16. **McCarthy, I.** and R. Tchernis. 2010. "Search Costs and Medicare Plan Choice," *Health Economics* 19(10):1142-1165.
17. **McCarthy, I.** 2009. "Simulating Sequential Search Models with Genetic Algorithms: Analysis of Price Ceilings, Taxes, Advertising and Welfare," *Journal of Computational Economics* 34(3):217-241.

WORKING PAPERS

1. "Multimarket contact in health insurance: Evidence from Medicare Advantage," with Haizhen Lin. *Under Review*
2. "Who pays in pay for performance? Evidence from hospital pricing," with Michael Darden and Eric Barrette. *Under Review*
3. "User reviews and hospital prices," with Leonardo Sánchez Aragón and Kaylyn Sanbower. *Under Review*
4. "Owning the Agent: Hospital influence on physician behaviors," with Haizhen Lin and Michael Richards. *Under Review*
5. "Physician Affiliation and Hospital Production."

OTHER PROJECTS

1. "Decision assistance and health insurance choice," with Evan Saltzman.
2. "How efficient is the market for physician referrals?" with Seth Richards-Shubik.
3. "The specialization premium in hospital care: Evidence from Children's Hospitals," with Mehul Raval.
4. "Physician referral networks and the role of insurers," with Sebastian Linde.

PEER-REVIEWED PUBLICATIONS IN MEDICAL JOURNALS

1. Piper, K., K. Baxter, **I. McCarthy**, M. Raval. 2019. "Distinguishing Children's Hospitals from Non-Children's Hospitals in Large Claims Data," *Pediatrics*, forthcoming.
2. Sarda, S., H. Short, J. Hockenberry, **I. McCarthy**, M. Raval. 2017. "Regional Variation in Rates of Pediatric Perforated Appendicitis," *Journal of Pediatric Surgery* 52(9):1488-1491.
3. Robinson, C., R. Hostin, M. O'Brien, **I. McCarthy**, M. Gupta, V. Lafage, R. Hart, F. Schwab, J. Smith, C. Ames. 2016. "A Multi-Center Comparison of Inpatient Resource Use for Adult Spinal Deformity Surgery." *Spine* 41(7):224-233.
4. Bess, S., B. Line, K. Fu, **I. McCarthy**, V. Lafage, F. Schwab, C. Shaffrey, C. Ames, B. Akbarnia, O. Boachie-Adjei, H.J. Kim, M. Kelly, D. Burton, R. Hart, E. Klineberg, K. Kebaish, R. Hostin, G. Mundis, J. Smith. 2016 "The Health Impact of Symptomatic Adult Spinal Deformity: Comparison of Deformity Types to United States Population Norms and Chronic Diseases." *Spine* 41(3):603-609.

5. Protopsaltis, T., J. Scheer, J. Terran, J. Smith, H.J. Kim, G. Mundis, R. Hart, **I. McCarthy**, E. Klineberg, V. Lafage, S. Bess, F. Schwab, C. Shaffrey, C. Ames. 2015. "How the Neck Affects the Back: Changes in Regional Cervical Sagittal Alignment Correlate to HRQL Improvement in Adult Thoracolumbar Deformity Patients at Two-Year Follow-Up," *Journal of Neurosurgery: Spine* 23(2):153-158.
6. Scheer, J., V. Lafage, J. Smith, V. Deviren, R. Hostin, **I. McCarthy**, G. Mundis, D. Burton, E. Klineberg, M. Gupta, K. Kebaish, C. Shaffrey, S. Bess, F. Schwab, C. Ames. 2015. "Maintenance of Radiographic Correction at 2 years Following Lumbar Pedicle Subtraction Osteotomy is Superior with Upper Thoracic Compared with Thoracolumbar Junction Upper Instrumented Vertebra," *European Spine Journal* 24(Supplement 1):121-130.
7. **McCarthy, I.**, C. Robinson, M. O'Brien, R. Hostin. 2014. "Total Costs of Multi-level Fusion Surgery Including Outpatient Care," *The Spine Journal: SpineLine* May-June:21-25.
8. Acosta, F., C. Ames, P. Hsieh, **I. McCarthy**. 2014. "Introduction: Costs and Benefits of Modern Day Spine Care," *Journal of Neurosurgery: Neurosurgical Focus* 36(6):1-2.
9. **McCarthy, I.**, M. O'Brien, C. Ames, C. Robinson, T. Errico, D. Polly, R. Hostin. 2014. "The Incremental Cost-effectiveness of Adult Spinal Deformity Surgery: Comparison of Observed QALYs with Surgery to Predicted QALYs without Surgery," *Journal of Neurosurgery: Neurosurgical Focus* 36(5):E3.
10. Goz, V., **I. McCarthy**, K. Dallas, J. Weinreb, J. Bendo, V. Lafage, T. Errico. 2014. "Venous Thromboembolic Events in Spine Surgery Patients; which patients are high risk?" *Journal of Bone and Joint Surgery* 96(11):936-942.
11. Scheer, J., V. Lafage, J. Smith, V. Deviren, R. Hostin, **I. McCarthy**, G. Mundis, D. Burton, E. Klineberg, M. Gupta, K. Kebaish, C. Shaffrey, S. Bess, F. Schwab, C. Ames. 2014. "The Impact of Age on Likelihood to Reach Minimal Clinically Important Difference (MCID) in 374 Three-Column Spinal Osteotomies," *Journal of Neurosurgery: Spine* 20(3):306-12.
12. **McCarthy, I.**, R. Hostin, C. Ames, H. Kim, J. Smith, O. Boachie-Adjei, F. Schwab, E. Klineberg, C. Shaffrey, M. Gupta, D. Polly. 2014. "Total Hospital Costs of Surgical Treatment for Adult Spinal Deformity: An Extended Follow-up Study," *The Spine Journal* 14(10):2326-2333.
13. Goz, V., J. Weinreb, K. Dallas, **I. McCarthy**, J. Paul, T. Protopsaltis, J. Goldstein, V. Lafage, T. Errico. 2014. "Cervical Disk Arthroplasty versus Anterior Cervical Discectomy and Fusion; Utilization and Perioperative Outcomes." *Journal of Spine* 3(5):178.
14. Klineberg, E., M. Gupta, **I. McCarthy**, R. Hostin. 2013. "Detection of Pseudarthrosis in Adult Spinal Deformity: The use of health-related quality-of-life outcomes to predict pseudarthrosis." *Journal of Spinal Disorders & Techniques* (ePub ahead of print).
15. Hostin, R., M. O'Brien, **I. McCarthy**, S. Bess, M. Gupta, E. Klineberg. 2013. "Retrospective Study of Anterior Interbody Fusion Rates and Patient Outcomes of Using Mineralized Collagen and Bone Marrow Aspirate in Multilevel Adult Spinal Deformity Surgery," *Journal of Spinal Disorders & Techniques* (ePub ahead of print).
16. Hart, B., **I. McCarthy**, M. O'Brien, S. Bess, B. Line, O. Boachie-Adjei, D. Burton, M. Gupta, C. Ames, V. Deviren, K. Kebaish, C. Shaffrey, K. Wood, R. Hart, R. Hostin. 2013. "Identification of Decision Criteria for Revision Surgery among Patients with Proximal Junctional Failure following Surgical Treatment for Spinal Deformity," *Spine* 38(19):E1223-E1227.
17. **McCarthy, I.**, R. Hostin, M. O'Brien, N. Fleming, G. Ogola, R. Kudyakov, K. Richter, R. Saigal, S. Berven, C. Ames. 2013. "Analysis of the Direct Cost of Surgery for Four Diagnostic Categories of Adult Spinal Deformity," *The Spine Journal* 13(12):1843-1848.
18. Goz, V., J. Weinreb, **I. McCarthy**, F. Schwab, V. Lafage, T. Errico. 2013. "Perioperative Complications and Mortality after Spinal Fusions; Analysis of Trends and Risk Factors." *Spine* 38(22):1970-1976.
19. **McCarthy, I.**, R. Hostin, M. O'Brien, N. Fleming, G. Ogola, R. Kudyakov, K. Richter, R. Saigal, S. Berven, V. Deviren, C. Ames. 2013. "Cost-Effectiveness of Surgical Treatment for Adult Spinal Deformity: A Comparison of Dollars per Quality of Life Improvement across Health Domains," *Spine Deformity* 1(4):293-298.
20. **McCarthy, I.**, R. Hostin, M. O'Brien, R. Saigal, C. Ames. 2013. "Health Economic Analysis of Adult Deformity Surgery," *Neurosurgery Clinics of North America* 24(2):293-304.

21. Hart, R., **I. McCarthy**, C. Ames, C. Shaffrey, D. Kojo Hamilton, and R. Hostin. 2013. "Proximal Junctional Kyphosis and Proximal Junctional Failure," *Neurosurgery Clinics of North America* 24(2):213-218.
22. Hostin, R., **I. McCarthy**, M. O'Brien, S. Bess, B. Line, O. Boachie-Adjei, D. Burton, M. Gupta, C. Ames, V. Deviren, K. Kebaish, C. Shaffrey, K. Wood, R. Hart. 2013. "Incidence, Mode, and Location of Acute Proximal Junctional Failure following Surgical Treatment for Adult Spinal Deformity," *Spine* 38(12):1008-1015.

CHAPTERS, REVIEWS, AND OTHER PUBLICATIONS

1. Book review of *Richly Parameterized Linear Models: Additive, Time Series, and Spatial Models Using Random Effects*, by James Hodges. 2016. *Journal of the American Statistical Association* 110(511):1323.
2. Fleming, N., A. Masica, and **I. McCarthy**. 2013. "Evaluation of Clinical, Economic, and Financial Outcomes," in D. Ballard (Ed.), *Achieving STEEEP Health Care* 85-92. Boca Raton, FL: CRC Press.
3. **McCarthy, I.** and R. Tchernis. 2011. "On the Estimation of Selection Models when Participation is Endogenous and Misclassified," in D. Drukker (Ed.), *Advances in Econometrics, Missing-Data Methods: Cross-sectional Methods and Applications* 27:179-207. London: Emerald Group Publishing.
4. **McCarthy, I.** 2011. "Computational Applications in Consumer Search Models," in A. Tavidze (Ed.), *Progress in Economics Research* 18:249-267. New York: Nova Science Publishers.
5. **McCarthy, I.** 2010. "A Survey on the Economics of the U.S. Pharmaceutical Industry," in D. Slottje and R. Tchernis (Eds.), *Contributions to Economic Analysis: Current Issues in Health Economics* 290:201-241. London: Emerald Group Publishing.
6. *An Online Handbook for the Use of Contemporary Econometrics in Economic Education Research*, with W. Becker and G. Gilpin, American Economic Association Committee on Economic Education, 2010.
7. **McCarthy, I.** 2009. "Consumer Search with Uninformed Buyers and Imperfect Recall," *Journal of Current Issues in Finance, Business, and Economics* 3(2/3):275-282.
8. Basmann, R., K. Hayes, M. McAleer, **I. McCarthy**, and D. Slottje. 2009. "The GFT Utility Function," in D. Slottje (Ed.), *Contributions to Economics Analysis: Quantifying Consumer Preferences* 288:119-147. London: Emerald Group Publishing.

PRESENTATIONS

* denotes scheduled presentation that was ultimately cancelled

2020

American Economic Association Annual Meeting, San Diego, CA
 American Society of Health Economists Meeting, St. Louis, MO*

2019

American Economic Association Annual Meeting, Atlanta, GA
 West Virginia University, Morgantown, WV (Invited)
 Baylor University, Waco, TX (Invited)
 Indiana University, Bloomington, IN (Invited)
 Indiana University - Purdue University, Indianapolis, IN (Invited)
 Southeastern Health Economics Study Group, Knoxville, TN

2018

University of Nevada at Las Vegas, Las Vegas, NV (Invited)
 Association for Public Policy Analysis and Management Annual Conference, Washington, D.C.
 Johns Hopkins University, Baltimore, MD (Invited)
 George Washington University, Washington, D.C. (Invited)
 National Bureau of Economic Research, Health Care Summer Meeting, Cambridge, MA
 National Bureau of Economic Research, Industrial Organization Summer Meeting, Cambridge, MA
 Society for Institutional and Organizational Economics, HEC Montreal, Montreal, Canada
 American Society of Health Economists Meeting, Emory University, Atlanta, GA
 Tennessee Empirical Applied Microeconomics Festival, University of Tennessee, Knoxville, TN
 University of North Texas, Denton, TX (Invited)
 American Economic Association Annual Meeting, Philadelphia, PA

2017

Georgia Health Economics Research Day, Atlanta, GA
 Southeastern Health Economics Study Group, Nashville, TN
 Health Services Research Day, Emory University, Atlanta, GA, May (Invited)
 International Health Economics Association 12th World Congress, Boston, MA (Session Chair)
 Southern Methodist University, Dallas, TX (Invited)
 Midwest Economics Association Meetings, Cincinnati, OH
 American Economic Association Annual Meeting, Chicago, IL

2016

Southeastern Health Economics Study Group, Richmond, VA
 Western Economics Association International Conference, Portland, OR
 American Society of Health Economists Meeting, University of Pennsylvania, Philadelphia, PA
 South Carolina Applied Microeconomics Day, Greenville, SC (Invited)
 Georgia State University Brownbag Seminar, Atlanta, GA (Invited)
 American Economic Association Annual Meeting, San Francisco, CA

2015

Annual Health Economics Conference, Athens, GA
 Southeastern Health Economics Study Group, Atlanta, GA
 Southern Economics Association Conference, New Orleans, LA
 International Health Economics Association 11th World Congress, Bocconi University, Milan, Italy
 Health Services Research Day, Emory University, Atlanta, GA, May (Invited)
 Midwest Health Economics Conference, University of Iowa, Iowa City, IA
 Georgia State University, Atlanta, GA (Invited)
 Tulane University, New Orleans, LA (Invited)

2014

Southeastern Health Economics Study Group, Tallahassee, FL
 Rollins School of Public Health, Atlanta, GA (Invited)
 Georgia State University, Atlanta, GA (Invited)
 AcademyHealth Annual Research Meeting, San Diego, CA
 9th Annual Utah Health Services Research Conference, University of Utah (Invited)

GRANT FUNDING

National Institute for Health Care Management	1/2018 – 11/2018
Budget: \$49,000	
“Private Equity Ownership and Healthcare Quality and Cost: The Evaluation of Hospital Leveraged Buyouts.”	
<i>Role:</i> External Consultant	
AHRQ (R01HS024712)	4/2017 – 1/2021
Budget: \$1,050,158	
“The Value of Children’s Hospitals - Are Increased Costs Justified by Improved Outcomes or Driven by Internal and External Economic Forces?”	
<i>Role:</i> Co-investigator (PI: Mehul Raval, Emory University School of Medicine)	
UK Center for Poverty Research	8/2016 – 7/2018
\$50,000	
“SNAP Benefit Levels, Food Insecurity, and Diet Quality: Evidence from the Food Acquisition and Purchase Survey”	
<i>Role:</i> External Consultant	
AHRQ (R00HS022431)	9/2014 – 8/2018
\$743,360	
“The Measurement and Evaluation of Competition in Healthcare Delivery Markets”	
<i>Role:</i> PI	
AHRQ (K99HS022431)	7/2013 – 8/2014
\$169,445	
“Analysis and Dissemination of Patient-Centered Outcomes and its Impact on Patient and Physician Shared Decision-Making”	

Role: PI

GlaxoSmithKline

12/2013 – 12/2015

\$108,125

“Barriers to Collecting and Analyzing Patient-Reported Outcome Data”

Role: PI (12/2013 – 6/2014), transferred to co-investigator

Baylor Heart and Vascular Institute, Cardiovascular Research Review Committee,

The Jack and Jane Hamilton Research Fund

11/2012 – 12/2014

\$55,560

“Potentially Avoidable Replacements of Primary Prevention Implantable Cardioverter-Defibrillators”

Role: PI (11/2012 – 6/2014), transferred to co-investigator

NuVasive, Inc.

2/2012 – 1/2013

\$150,000

“Analysis of Complications, Quality-of-Life Outcomes, and Cost of Surgical Treatment for Spinal Deformity”

Role: PI

Baylor Health Care System Foundation, Seeger Endowment Fund

1/2012 – 12/2012

\$185,000

“Cost-effectiveness, Quality-of-Life, and Decision Analysis in the Surgical Treatment of Spinal Deformity”

Role: Co-investigator

REFeree ACTIVITY

Referee for *Review of Economics and Statistics*, *American Economic Journal: Applied Economics*, *Journal of Health Economics* (x3), *Journal of the American Statistical Association*, *Journal of Human Resources*, *Health Affairs*, *Health Economics* (x5), *American Journal of Agricultural Economics*, *American Journal of Health Economics* (x2), *Journal of Policy Analysis and Management*, *The B.E. Journal of Economic Analysis and Policy*, *Southern Economic Journal*, *Empirical Economics* (x2), *Review of Economics of the Household*, *Food Policy*, *Review of Industrial Organization*, *Economic Inquiry* (x2), *Contemporary Economic Policy*, *Economics and Human Biology* (x2), *Stata Journal*, *Journal of Applied Statistics*, *International Journal of Mathematical Modelling and Numerical Optimisation*, *Mayo Clinic Proceedings* (x3), and *British Medical Journal*

OTHER PROFESSIONAL ACTIVITY

North American Spine Society, Value Committee Member

2013 – 2014

Significance Magazine News Editor

2010 – 2013

AWARDS

Excellence in Teaching, Phi Beta Kappa Society, Emory University

2020

Awarded to a faculty member “who has encouraged and helped students to excel, and who exemplifies intellectual rigor and enthusiasm for scholarly pursuits.”

Honorable Mention, Best Paper Award, Agricultural and Applied Economics Association

2016

Best paper in the economics of food safety and nutrition, awarded to the paper, “What Can We Learn about the Effects of Food Stamps on Obesity in the Presence of Misreporting?”

Shingo Research and Professional Publication Award, Shingo Prize for Operational Excellence

2014

Awarded to the book, *Achieving STEEP Healthcare*, for demonstrating “a commitment to promoting Operational Excellence through published works”

Value Abstract Award, North American Spine Society

2013

“Calculating and Defining Minimum Clinically Important Difference (MCID) and Substantial Clinical Benefit (SCB) Values for Adult Spinal Deformity (ASD): A Robust Methodology for Consistent Data Reporting”

Best Poster Award, North American Spine Society

2012

“Analysis of Health-Related Quality-of-Life following Surgery for Adult Spinal Deformity”

Best Third Year Paper Award, Indiana University

2007

“Advertising Intensity and Welfare in an Equilibrium Sequential Search Model”

Fred and Judy Witney Scholarship Award, Indiana University

2007

ACTIVE MEMBERSHIPS

American Economic Association	2010 – Present
International Health Economics Association	2011 – Present
American Society of Health Economists	2012 – Present
Southern Economic Association	2014 – Present

TEACHING

Courses at Emory University

ECON 470/HLTH 470, Research in Health Economics	Spring 2020
ECON 771, Health Economics II	2018 – present
ECON 372, Economics of Healthcare Markets	2015 – present
ECON 190, Current Issues in U.S. Healthcare	2014 – 2017
ECON 372W, Health Policy and Economics	2014

Courses at Southern Methodist University

ECON 5320, Health Economics	2014
ECON 6381, Economic Analysis I	Fall 2011 – 2013

Courses at Indiana University

ECON 370, Introduction to Statistics in Business and Economics	2007 – 2008
ECON 201, Introduction to Microeconomics	2007

ADVISING

Doctoral Dissertation Committee (Emory)

Manasvini Singh, Rollins School of Public Health	Expected 2020
Alexander Lundberg, <i>Placement:</i> West Virginia University	2017
Otto Lenhart, <i>Placement:</i> University of West Florida	2016

Doctoral Dissertation Committee (Outside Member)

Derek Hoodin (GSU)	Expected 2021
Nicardo McInnis (GSU)	Expected 2020
Augustine Denteh (GSU) <i>Placement:</i> Tulane University	2019
Benjamin Ukert (GSU), <i>Placement:</i> Postdoc at University of Pennsylvania (Wharton)	2016

Undergraduate Honors Thesis (Chair)

Mathew Padanilam	2019
Timothy Anders Olsen	2018
Shaina Shapera	2017
Zhu Zhang	2017
Yixuan Chen	2016
Stephanie Fang	2015
Ryan Gorman	2015