

# Michael Darden

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## Current Employment

- Academic Program Director, Master of Science in Health Care Management, 2023 - Present.
- Associate Professor, Carey Business School, Johns Hopkins University. 2018 - Present.
- Associate Professor, Department of Economics, Johns Hopkins University (By Courtesy). 2018-Present.

## Current Appointments

- Co-Editor, *Journal of Human Resources*. 2019-Present
- Faculty Research Fellow, National Bureau of Economic Research. 2018-Present.
- Affiliate, Hopkins Economics of Alzheimer's Disease and Services. 2021-Present.
- Executive Board Member, Tobacco Online Policy Seminar (TOPS). 2023-Present.
- Core Faculty, Hopkins Business of Health Initiative. 2020 - Present.

## Past Employment

- Associate Professor, Department of Health Policy and Management, George Washington University. 2017-2018.
- Assistant Professor, Department of Economics, Tulane University. 2011-2017.
  - Promoted to Associate Professor with Tenure 2017.

## Education

- Ph.D. Economics, University of North Carolina at Chapel Hill, 2011
- B.S. Economics. North Carolina State University, 2005.

## Economics Publications

17. Externalities from Medical Innovation: Evidence from Organ Transplantation (with Kevin Callison and Keith Teltser). Forthcoming at **Journal of Political Economy - Microeconomics**.
16. Rational Self-Medication (with Nicholas Papageorge). 2024, **Economics and Human Biology**, 53, April 2024, 101350.
15. Optimal E-Cigarette Policy When Preferences and Internalities are Correlated. 2024 **Journal of Risk and Uncertainty** 68, 107–131.
14. Who Pays in Pay For Performance? Evidence from Hospital Pricing (with Ian McCarthy and Eric Barrette). 2023, **American Journal of Health Economics**, 9(3), 435–460.

13. Modeling to Inform Economy-Wide Pandemic Policy: Bringing Epidemiologists and Economists Together (with David Dowdy, Lauren Gardner, Barton Hamilton, Karen Kopecky, Melissa Marx, Nicholas W. Papageorge, Daniel Polsky, Kimberly Powers, Elizabeth Stuart, Matthew Zahn), 2022, **Health Economics** 31(7).
12. Smoking, Selection, and Medical Care Expenditures (with Robert Kaestner), 2022, **Journal of Risk and Uncertainty**, 64, 251–285.
11. Measuring the Impact of Calorie Labeling: The Mechanisms Behind Changes in Obesity (with Rodrigo Aranda and Donald Rose), 2021, **Health Economics** 30(11), November.
10. The Dynamics of the Smoking Wage Penalty (with Melinda Pitts and Julie Hotchkiss), 2021, **Journal of Health Economics** 79, September.
9. Cities and Smoking, 2021, **Journal of Urban Economics** 122, March.
8. Smoking, Morbidity, and Mortality: Evidence from a Long Panel (with Donna Gilleskie and Koleman Strumpf), 2018, **International Economic Review** 59(3), 1571–1619.
7. Smoking, Expectations, and Health: A Dynamic Stochastic Model of Lifetime Smoking Behavior, 2017, **Journal of Political Economy** 125(4), 1465–1522.
6. Supply-side Responses to Public Quality Ratings: Evidence from Medicare Advantage (with Ian McCarthy), 2017, **American Journal of Health Economics** 3(2), 140–164.
5. Comprehensive Indoor Smoking Bans and Smoking Prevalence: Evidence at the State Level (with Thomas Carton, John Levendis, Sang Lee, and Iben Rickett), 2016, **American Journal of Health Economics** 2(4), 535–556.
4. The Effects of Parental Health Shocks on Adult Offspring Smoking Behavior: Evidence from a Long Panel (with Donna Gilleskie), 2016, **Health Economics** 25, 939–954.
3. The Star Treatment: Estimating the Impact of Star Ratings on Medicare Advantage Enrollments (with Ian McCarthy), 2015, **Journal of Human Resources** 50(4), 980–1008.
2. Are Investments in Disease Prevention Complements? The Case of Statins and Health Behaviors (with Robert Kaestner and Darius Lakdawalla), 2014, **Journal of Health Economics** 26, 151–163.
1. Adjusting to Natural Disasters (with V. Kerry Smith, Jared C. Carbone, Jaren C. Pope, and Daniel G. Hallstrom), 2006, **Journal of Risk and Uncertainty** 33: 37–55.

### *Economics Working Papers*

2. Cognitive Decline and Dynamic Selection. NBER Working Paper 30679. **Under Review.**
1. Trust and Care-Seeking Behavior (with Mario Macis). NBER Working Paper 32028. **Under Review.**

### *Economics Work in Progress*

3. Technological Change and Health: The Case of Ozempic (with Yaa Akosa Antwi and Jintaek Song)
2. Medical Innovation and Health Inequality: Evidence from Hepatitis C (with Kevin Callison and Keith Teltser)
1. Cigarette Taxes and the Household Budget (with Mike Pesko)

*Health Policy and Medical Publications*

21. Lung Cancer Screening and USPSTF Recommendations (with Alex Hoagland) 2025, **JAMA Network Open**. 8(2):e2458916.
20. Cost-effectiveness of automated digital CBT (Daylight) for Generalized Anxiety Disorder: A Markov simulation model in the United States (with Chris Miller, Jenna Carl, Jasper A.J. Smits, and Michael W. Otto). Forthcoming at **PLOS Mental Health**.
19. The Effects of the COVID-19 on Veterans: The Role of Health Equity and Access to Care (with Christos A. Makridis and Gil Alterovitz) Forthcoming at **Armed Forces & Society**
18. Is there An Advantage?: Considerations for Researchers Studying the Effects of the Type of Medicare Coverage (with Lauren Nicholas, Dan Polsky, Kelly Anderson, Jianhui Xu, and David Myers) 2024, **Health Services Research**. 59(1), February 2024, e14264.
17. Medicare Advantage is Associated with Lower Use of Total Joint Arthroplasty (with Amit Jain, Rachel Wu, and Kelly Anderson). **The Journal of Bone & Joint Surgery** 106(3) 198-205.
16. Improving Prior Authorization in Medicare Advantage (with Kelly Anderson and Amit Jain). 2022. **JAMA**. 328(15), 1497-1498
15. Associations of Expanding Parental Medicaid Eligibility and Parental Health and Family Functioning (with Erin Brantley and Leighton Ku), 2022, **Academic Pediatrics** 22(4), 622-630.
14. Persistent Gender Disparity in Liver Transplantation Rates (with Joseph Buell, Geoffrey Parker, and Edward Anderson), 2021, **Surgery** 169(3), 694-699.
13. Cost-effectiveness of digital CBT (Sleepio) for insomnia: A Markov simulation model and societal perspectives (with Colin Espie, Jenna Carl, Alasdair Henry, Jennifer Kanady, and Christopher Miller), 2020, **Sleep**, Nov 5:zsaa223.
12. Racial and Regional Disparity in Liver Transplant Allocation (Monlezum D, Friedlander P, Balart L, Parker G, Buell JF), 2018, **Surgery** 63(3), 612-616.
11. Postrenal transplant infection: What is the effect of specific immunosuppressant agents? (with Dominique J Monlezun, Mira John, Isabelle Dortonne, Katherine P Carsky, David Chernobytsky, Peter Ferrin, Anil Paramesh, Rubin Zhang, Colleen McDermott, Geoffrey Parker, Joseph F Buell), 2018, **HBP** Oct. 164(4), 895-899.
10. Do Co-morbidities, clinical variables, or surgical approach predict readmission post liver resection? (with D Monlezun, P McLaren, J Sulzer, C Li, A Volk, M Mvula, K-V Van Anh, G Parker, J Buell), 2018, **HBP** 20, 447.
9. Lap liver resection decreases mortality and complications by propensity score-adjusted regression (with J Sulzer, D Monlezun, P McLaren, M Mvula, C Li, A Volk, VA Khanh-Van Y, G Parker, J Buell), 2018, **HBP** 20, 264.
8. Racial and Regional Disparity in Liver Transplant Allocation (with Monlezum D, Friedlander P, Balart L, Parker G, Buell JF), 2018, **Surgery** 19(9), 793-798.
7. Initial experience with biologic polymer scaffold (Poly-4-hydroxybuturate) in complex Abdominal Wall reconstruction (with Joseph F Buell, David Sigmon, Christopher Ducoin, Max Shapiro, Nikhil Teja, Emmett Wynter, Mary K Hanisee, Geoffrey Parker, Emad Kandil), 2017, **Annals of Surgery**, 266(1), 185-188.
6. Liver transplantation in New Orleans: parity in a world of disparity? (with Alison Smith, Zaid Al-Qurayshi, Anil Paramesh, Mary Killackey, Emad Kandil, Geoffrey Parker, Luis Balart, Paul Friedlander, and Joseph Buell), 2017, **HPB**, 19(9), 793-798.
5. Disparities and survival outcomes in the management of hepatocellular carcinoma: a national perspective (with D Pointer, A Volk, G Parker, R Marshall, P Friedlander, J Buell), 2017, **HPB**, 19, 68.

4. Amnion membrane in diabetic foot wounds: a meta-analysis (with Alexandra M Haugh, Jacqueline G Witt, Adam Hauch, Geoffrey Parker, Warren A Ellsworth, Joseph F Buell), **Plastic and Reconstructive Surgery Global Open** 5(4).
3. Surgical volume as a driver for clinical and financial outcomes after liver resection: a national perspective (with A Volk, D Pointer, Z Al-Qurayshi, G Parker, M Darden, J Buell), 2017, **HPB** 19, 71-72.
2. Affordable Care Organizations: Is Laparoscopic Liver Resection for Adenoma Cost-effective? (with DT Pointer, A Volk, A Hauch, L Boehm, G Parker, J Sulzer, JF Buell), 2017, **Annals of Surgical Oncology** 24 121.
1. Effect of obesity on perioperative outcomes after laparoscopic hepatectomy (with Seeyuen J Lee, Adam Hauch, Erica Kane, Christopher DuCoin, Geoffrey Parker, Emad Kandil, and Joseph F Buell), 2017, **Diabetes**.

### Other Writing

2. Where There's Smoke...: The Wage Impact of Smoking (with Melinda Pitts and Julie Hotchkiss), 2020, **Federal Reserve Policy Hub Oct. 11**.
1. **Job Stress and Health in the United States, 2014, OCED Publishing 1150.**

### Grants, Fellowships, Honors, and Awards

- The Dynamics of Trust: An Interdisciplinary Approach to Improving Health Care Outcomes, Johns Hopkins University Discovery Award, Principal Investigator, \$99,125.
- Elective Orthopaedic Surgery as a Model to Compare Medicare Advantage and Traditional Medicare, 2022, Johns Hopkins Business of Health Initiative, Co-Investigator, \$20,000.
- Do Hospital Mergers Make Patients Less Safe?, 2022, Johns Hopkins Business of Health Initiative, Co-Investigator \$20,000.
- The First Independent US-Based Cost-Effectiveness Simulation Model Evaluating Spinal Cord Stimulation in Low Back and Neuropathic Leg Pain that Considers the Impact of Therapy Timing, 2022, Co-Investigator \$20,000.
- Modeling to Inform Economy-Wide Pandemic Policy: Bringing Epidemiologists and Economists Together, 2021, Johns Hopkins Business of Health Initiative, \$10,000.
- The Health Care Costs of Smoking Among the Elderly, 2019, Johns Hopkins University Catalyst Award, \$43,000.
- Affordable Care Act: Effects for Family and Child Well-Being, 2018, Russell Sage Foundation, Co-Principal Investigator, \$148,000.
- The Health Care Costs of Smoking Among the Elderly, 2017, Awards to Louisiana Artists and Scholars (ATLAS), \$49,999 (Declined).
- Smoking, Morbidity, and Mortality: Evidence from a Long Panel, 2015, Christophe Baron Prize for the Best Conference Presentation, American Association of Wine Economists, Mendoza, Argentina.
- Smoking, Expectations, and Health: A Dynamic Stochastic Model of Lifetime Smoking Behavior, 2012, Student Paper Award, American Society of Health Economists.
- University Dissertation Completion Fellowship, University of North Carolina, 2010-2011.
- Graduate School Transportation Grant, University of North Carolina, 2009.
- Georges Lurcy Fellowship in Economics, University of North Carolina, 2008-2009.
- Future Faculty Fellowship, University of North Carolina, May 2008.
- Graduate School Tuition Scholarship, University of North Carolina, 2005-2008.
- Undergraduate Research Fellowship, CEnREP, North Carolina State University, 2003-2005.

## Organized Conferences

- Annual Health Econometrics Workshop, Washington DC, Oct. 2024.
- Southeastern Health Economics Study Group, Baltimore MD, Oct. 2021.

## Scientific Committees

- International Association of Applied Econometrics (2022).
- American-European Health Economics Working Group (2020-Present)

## Invited Seminars

- Triangle Health Economics, UNC, (2025, Upcoming)
- University of Surrey (2025, Upcoming)
- Vrije Universiteit Amsterdam (2025, Upcoming)
- University Bologne (2025, Upcoming)
- University of Cologne (2024, Upcoming)
- Bonn MPI (2024)
- Tobacco Online Policy Seminar (2024)
- Food and Drug Administration (2024)
- BYU (2024)
- Agency for Healthcare Quality (2024)
- Johns Hopkins University, Economics. (2024)
- University of Massachusetts Amherst (2023)
- Georgia State University (2022)
- Congressional Budget Office (2022)
- Food and Drug Administration (2022)
- Monash University. (2021)
- Congressional Budget Office (2021)
- Big Health Grand Rounds. (2021)
- University of Oxford. (2021)
- Big Health (San Francisco) Master Class. (2021)
- Erasmus School of Economics. (2021)
- Tobacco Online Policy Seminar (TOPS). (2021)
- Georgia State University. (2020)
- San Diego State University (2020, Cancelled)
- University of South Carolina. (2020)
- Atlanta Federal Reserve (2018, 2019)
- University of Colorado, Denver (2019)

- IUPUI (2018)
- University of North Carolina (2018)
- University of Tennessee (2018)
- Federal Trade Commission (2018)
- Food and Drug Administration (2018)
- Carey Business School, Johns Hopkins University (2018)
- Johns Hopkins University (2017)
- George Washington University (2017)
- Stony Brook University (2017)
- Iowa State University (2016)
- Northern Illinois University (2016)
- Emory University (2015)
- University of Notre Dame (2015)
- University of Southern California (2015)
- University of York (2014)
- Lund University (2014)
- Lafayette College (2014)
- Tulane University (2011)
- New York University (2011)
- Simon Fraser University (2011)
- United States Treasury (2011)
- University of Connecticut (2011)
- University of Delaware (2011)
- University of Georgia (2011)
- Vanderbilt University (2011)
- Congressional Budget Office (2011)
- Duke University (2010)

## Conference Presentations

- Behavioral Economics Design Initiative Workshop on Health (2025)
- American Economic Association (2025)
- Southeastern Health Economics Study Group (2024)
- American-European Health Economics Working Group (2024)
- Bates-White Life Sciences Symposium (2024)
- Annual Health Economics Conference (2024)
- American Economic Association (2024)
- Annual Health Econometrics Workshop (2023)

- European Workshop on Econometrics and Health Economics (2023)
- Southern Economic Association (2021)
- Essen Economics of Mental Health Workshop (2020, Invited Panelist)
- Bates White Life Sciences Symposium (2020, Cancelled)
- Southern Economic Association (2020)
- American Society of Health Economists (2019)
- NBER Summer Institute (2019)
- American-European Health Economics Working Group (2019)
- Southeastern Health Economics Study Group Conference (2018)
- Workshop on Institutions, Individual Behavior and Economic Outcomes: The Economics of Risky Behaviors (2018)
- Southern Economic Association (2018)
- European Conference on Health Economics (2018)
- American Society of Health Economists (2018)
- Annual Health Economics Conference (2017, Invited Discussant)
- Southeastern Health Economics Study Group Conference (2017)
- Southern Economic Association (2016)
- American Society of Health Economists (2016)
- International Health Economics Association (2015)
- American Association of Wine Economists (2015)
- Southern Economic Association (2015)
- International Health Economics Association (2014)
- Econometric Society (2014)
- Health Econometrics Symposium (University of Leeds, 2014)
- European Workshop on Econometrics and Health Economics (2013)
- Southern Economic Association (2013)
- Econometric Society (2012)
- Southern Economic Association (2012)
- Annual Health Econometrics Workshop (2010)
- International Health Economics Association (2009)

## Teaching Experience

### *Johns Hopkins University*

- Masters of Business Administration
  - Econometrics. (2020, 2021, 2023)
- Masters in Health Care Management
  - Frameworks for Analyzing Health Care Markets. (2018, 2019, 2021, 2022, 2024)
  - Providers and Payers. (2019, 2020, 2021, 2022, 2023, 2024) *Asynchronous Online*

- Masters of Finance
  - Economics for Decision Making. (2018)

### *George Washington University*

- Masters of Public Health.
  - Health Economics and Policy. (2018)
  - Basic Economics. (2017)

### *Tulane University*

- Ph.D. Economics
  - Research Methods (2015, 2017)
  - Health Economics. (2015, 2017)
- Bachelor of Science.
  - Health Economics. (2016, 2017)
  - Introduction to Econometrics. (2015-2017)
  - Economic Statistics. (2011-2015)
  - Intermediate Microeconomics. (2012)
  - Introductory Microeconomics. (2011)

### *University of North Carolina*

- Bachelor of Science.
  - Health Economics. (2009)
  - Introduction to Economics. (2008)

## Service

### *Profession*

- Refereeing
  - American Economic Journal: Economic Policy, American Economic Journal: Microeconomics, American Economic Review, American Journal of Agricultural Economics, American Journal of Health Economics, American Journal of Preventive Medicine, BMJ, Economics and Human Biology, European Economic Review, Health Affairs, Health Economics, International Economic Review, Journal of Consumer Policy, Journal of Health Economics, Journal of Human Resources, Journal of Policy Analysis and Management, Journal of Political Economy, PLOS One, Public Finance Review, Quantitative Economics, Sleep, Social Science and Medicine, Southern Economic Journal, Journal of Public Economics.
- Advisory Boards
  - Virtual Seminar on the Economics of Risky Behaviors
  - American-European Health Economics Working Group



### *Johns Hopkins University*

- Coordinator, Conversations in Health Care Management (2024-Present)
- Mentor, HBHI Graduate Institute.
- Member, Carey Faculty Advisory Council (2022-2023, 2024-2026).
- Chair, Curriculum Committee, Subcommittee for Health Care (2021-2023)
- Coordinator, Hopkins Business of Health Initiative Working-in-Progress Series (2021-Present).
- Coordinator, JHU Carey Economics Seminar. (2020-2024)
- Faculty Representative, JHU Carey Reopening Task Force (2020-2021)
- Executive Committee Member, Hopkins Business of Health Initiative (2020-Present)
- Member, MBA Curriculum Committee (2019-2020)
- Member, Carey Business School Academic Ethics Board (2018-Present)
- Member, Provost's Prize for Excellence in Faculty Diversity (2019)

### *George Washington University*

- Member, Master of Public Health Admissions Committee. (2017-2018)

### *Tulane University*

- Member, Committee on Academic Freedom and Student Responsibility, Tulane Faculty Senate. (2016)
- Member, Professor of Practice Search Committee. (2015-2016)
- Member, Department Chair Search Committee (2015)
- Coordinator, Economics Department Seminar Series (2012-2013, 2014-2016)
- Faculty Mentor, Research Experience for Undergraduates (2012)
- Member, Professor of Practice Recruitment Committee (2015-2016)
- Member, Junior Faculty Recruitment Committee (2011-2012, 2014-2015)
- Assistant Coordinator, Economics Seminar Series (2011-2012)

## Consulting

- Big Health (2019-Present)