

SARA R. MACHADO

<https://www.saramachado.org/> | sara_machado@brown.edu

CURRENT APPOINTMENT

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|--|----------------------------|
| Brown University School of Public Health | Providence, RI, USA |
| Department of Health Services, Policy & Practice | |
| CHeSS – Center for Health System Sustainability | |
| Research Scientist | January 2025 - Present |

PREVIOUS APPOINTMENTS

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|---|----------------------------|
| Brown University School of Public Health | Providence, RI, USA |
| Senior Research Associate | 2023 –2024 |
| London School of Economics | London, UK |
| Research Officer, LSE Health | 2019-2022 |
| LSE Fellow, Department of Health Policy | 2016-2019 |
| Imperial College London | London, UK |
| School of Public Health, Faculty of Medicine | |
| Postdoctoral Researcher Associate | September 2016 |

HONORARY APPOINTMENTS

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|-------------------------------------|-------------------|
| London School of Economics | London, UK |
| Visiting Fellow | 2023 - Present |
| Brigham and Women's Hospital | Boston, MA |
| Harvey Chair Scholar | 2018-2022 |

EDUCATION

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|--|-------------------------|
| Boston University | Boston, MA |
| PhD, Economics | 2010-2016 |
| <i>Dissertation: Essays on the Economics of Blood Donation</i> | |
| Nova School of Business and Economics | Lisbon, Portugal |
| ResMS, Economics | 2009 |
| MS, Economics | 2007 |
| BS, Economics | 2007 |

FIELDS AND RESEARCH INTERESTS

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|---------------------|---|
| Primary Fields: | Health Economics |
| Secondary Fields: | Health Policy, Health Services Research |
| Research Interests: | Health and Wealth; health system design and performance assessment; organ donation and transplantation; cardiovascular health outcomes and healthcare |

SCHOLARSHIPS AND AWARDS

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|---|------------------|
| Best Presentation on Ageing Award, Portuguese Health Economics Association | 2023 |
| Excellence in Education Award, London School of Economics and Political Science | 2016-2017 |
| Best Oral Presentation Award, Portuguese Health Economics Association | 2009, 2015 |
| Best Oral Presentation Award, Spanish Health Economics Association | 2015 |
| Seed Grant, Industry Studies Program, Boston University | 2012 |
| Young Researcher Traveling Award, Portuguese Health Economics Association | 2011, 2013, 2015 |
| Graduate Studies Scholarship, Portuguese Foundation for Science and Technology | 2007-09, 2011-12 |
| Research Scholarship, Portuguese Foundation for Science and Technology | 2006-2007 |

TEACHING EXPERIENCE

GUEST LECTURES – *Health economics and health systems*

AESE Business School (since 2018), Lisbon, Portugal; Department of Economics, Boston University (2023); School of Health Sciences of the Portuguese Red Cross (ESSCVP) (since 2024), Brown University (since 2025)

TEACHING FELLOW - *includes lectures and seminars*

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|---|-----------|
| London School of Economics – Department of Health Policy | |
| Health Economics: SA408, HP420 (MSc), SA4G2, HP4A4E (Executive MSc) | 2016-2022 |
| Measuring Health Systems Performance: SA4E2, HP4B4E (Executive MSc) | 2016-2022 |
| Cost Effectiveness in Health Care: HP4E4E (Executive MSc) | 2019-2020 |
| Behavioural Science for Health: PB452E (Executive MSc) | 2018-2019 |
| Advanced Health Econometrics: SA4L5 (MSc) | 2016-2017 |

INSTRUCTOR

Boston University

Health Economics: EC387 (BA)

Economics Statistics: EC305 (BA)

Empirical Economics: EC305 (BA)

Spring 2014

Spring 2014

Fall 2015

TEACHING ASSISTANT

Boston University

Health Economics: EC581 (MSc)

Health Economics: EC387 (BA)

Public Finance: EC355 (BA)

Economics Development of Latin America: EC369 (BA)

Spring 2015

Fall 2013-2015

Spring 2014-2015

Fall 2014

Imperial College Business School

Health Economics (MSc)

Fall 2016

PUBLICATIONS

PEER REVIEWED

Machado S, Moura A, Vargas Lopes F, Marques D, Sa L. "A health system assessment approach to analysis of political parties' health proposals, Portugal". *Bull World Health Organ*. 2024 Nov 1;102(11):820-827. doi: 10.2471/BLT.24.291831

Kyriopoulos I, **Machado S**, Papanicolas I. Wealth-related inequalities in self-reported health status in the United States and 14 high-income countries. *Health Serv Res*. 2024 Jul 26. doi: 10.1111/1475-6773.14366

Machado SR, Perez BP, Papanicolas IN (2024) "The Role of Race and Ethnicity in Healthcare Crowdfunding: an exploratory analysis", *Health Affairs Scholar*, Volume 2, Issue 3, March 2024; qxae027, doi.org/10.1093/haschl/qxae027

Machado SR, Ostrominski JW, Mossialos E, Mehra MR, Vaduganathan M. (2023) "Donor Diabetes Mellitus Status and Contemporary Outcomes After Cardiac Transplantation." *JACC: Heart Failure*. 2023;11(4):483-486. [doi:10.1016/j.jchf.2023.01.020](https://doi.org/10.1016/j.jchf.2023.01.020) [Co-first author]

Machado SR, Perez BP, Andrews JT, Kourtellis N, (2022) "I call BS: Fraud Detection in Crowdfunding Campaigns" In *14th ACM Web Science Conference 2022 (WebSci '22)*. Association for Computing Machinery, New York, NY, USA, 1-11. [doi:10.1145/3501247.3531541](https://doi.org/10.1145/3501247.3531541) [equal authorship]

Machado SR, Sumarsono A, Vaduganathan M. (2021) "Midlife Wealth Mobility and Long-term Cardiovascular Health". *JAMA Cardiology*. 2021;6(10):1152. doi:10.1001/jamacardio.2021.2056 [First author]
Selected media coverage: [Yahoo!news](#), [tctMD](#), [Eat this not that](#), [FAZ](#), [The Straits Times](#)

Machado SR, Jayawardana S, Mossialos E, Vaduganathan M (2021). "Physician density by specialty type in urban and rural counties in the US, 2010 to 2017", *JAMA network open*, 2021;4(1), e2033994-e2033994. [doi:10.1001/jamanetworkopen.2020.33994](https://doi.org/10.1001/jamanetworkopen.2020.33994) [First author]

Machado SR, Costa-Font, J, (2021). "How Can Policy Interventions Encourage Pro-Social Behaviours in the Health System?", *LSE Public Policy Review*. 2021; 1(3): 6, pp. 1-10. [doi:10.31389/lseppr.17](https://doi.org/10.31389/lseppr.17) [equal authorship]

Buckley LF, Vaduganathan M, Lauffenburger JC, **Machado SR**, Fanikos J (2020) "Unintended Impact of US Food and Drug Administration Recalls on the Use of Contaminated and Non-Contaminated Angiotensin Receptor Blockers Among Medicaid Beneficiaries." *Ann Pharmacother*. 2020;54(6):615-616. [doi:10.1177/1060028019897388](https://doi.org/10.1177/1060028019897388)

Aslam S, Grossi P, Schlendorf KH, et al. (2020) "Utilization of hepatitis C virus-infected organ donors in cardiothoracic transplantation: An ISHLT expert consensus statement." *The Journal of Heart and Lung Transplantation*. 2020;39(5):418-432.2020 [working group member] [doi:10.1016/j.healun.2020.03.004](https://doi.org/10.1016/j.healun.2020.03.004)

Vasey B, Shankar AH, Herrera BB, Becerra A, Xhaja K, Echenagucia M, **Machado, SR** et al. (2020) "Multivariate time-series analysis of biomarkers from a dengue cohort offers new approaches for diagnosis and prognosis." *PLoS Negl Trop Dis* 14(6): e0008199. [doi:10.1371/journal.pntd.0008199](https://doi.org/10.1371/journal.pntd.0008199)

Sumarsono A, Buckley LF, **Machado SR**, Vaduganathan M, et al. (2020) "Medicaid Expansion and Utilization of Antihyperglycemic Therapies". *Diabetes Care*. [doi:10.2337/dc20-0735](https://doi.org/10.2337/dc20-0735)

Machado SR, Sinnenberg L, Ostrominski JW, Stehlik J, Mehra MR, Vaduganathan M. Citizenship Status and Cardiothoracic Organ Transplantation in the United States. *Circulation: Heart Failure*. 2020;13(12). doi:10.1161/circheartfailure.120.007788

Machado SR, Vaduganathan M, Mehra MR (2019) "Adoption of hepatitis C virus-infected donor hearts: A "middle child" no more." *The Journal of Heart and Lung Transplantation*, 38(9), 918-919. DOI: 10.1016/j.healun.2019.07.005 **[First author]**

Machado SR, Vaduganathan M, DeFilippis EM, Bajaj N, Stehlik J, Mossialos E, Jarcho JA, Mehra MR (2019) "Organ Donation and Drug Intoxication-Related Deaths in the United States", *New England Journal of Medicine*. Feb 2019, 380(6): 597-599; DOI: 10.1056/NEJMc1810758. **[co-first author]**

Selected Media Coverage: [Drugs.com](#), [MedicalXPress](#), [Medscape](#), [Medscape Podcast](#), [US News](#)

DeFilippis EM, Vaduganathan M, **Machado SR**, Stehlik J, Mehra MR (2018) "Emerging Trends in Financing of Adult Heart Transplantation in the United States", *JACC: Heart Failure*. Dec 2018, 969; DOI: 10.1016/j.jchf.2018.10.001

Media Coverage: [Cardiovascular Business](#)

Machado SR, Barros PP (2010) "Money for Nothing: The Net Costs of Medical Training", *Health Care Management Science*, 13(3): 234-255. <https://doi.org/10.1007/s10729-010-9126-7> **[equal authorship]**

BOOKS / REPORTS

Barros, PP, **Machado, SR**, Simões, JA, (2011) "Portugal: Health System Review" *Health Systems in Transition*, 13(4): 1-156. (available [here](#))

Goncalves, J, **Machado, SR**, Gomes, JP, Lazarus, J (2017) "Eliminating Hepatitis C in Portugal", *Imprensa Nacional Casa da Moeda*, Lisboa.

PREPRINT AND SUBMITTED ARTICLES

O'Neill E, Wei J, **Machado SR**, Galarraga O, Papanicolas IN, "Antimicrobial Stewardship National Action Plans in Action: An Assessment of Country-Level Antimicrobial Stewardship Response and Governance" - *R&R at WHO Bulletin*

Machado SR, Costa JC, Salyga H, "Altruism Budgets' Pro-Social Behaviours Across Domains" – submitted to *Social Science and Medicine* **[Equal authorship]**

Machado SR, Vargas-Lopes F (2024) "Medicaid Expansion and the Mechanics of Increased Access to Organ Transplantation" **[First author]** - *In preparation for submission to Health Affairs*

Machado SR, Santos C, Costa E (2024) "The impact of multimarket competition on generic drugs' regulated prices" **[Equal authorship]** – *under revision at Health Economics*

Costa GC, Pereira NS, **Machado SR** (2024) "Association between physician continuity of care and hypoglycaemic medication prescription" – *under revision at International Journal of Health Economics and Management*

Machado SR, Marsaudon A, Galizzi MM (2024) "Do Health-Related Events Affect Risk Tolerance?" - **[Equal authorship]** *In preparation for submission to Social Science and Medicine*

RESEARCH PAPERS IN PREPARATION

"The association between decisions to limit life. sustaining therapy in acute care and Long-Term Care spending cuts", with Ritesh Maharaj and Irene Papanicolas – *manuscript in preparation*

"The Value of a Heartbeat: Cardiovascular Health and Retirement Decisions", with Filipe Correia

INVITED SEMINARS AND GUEST TALKS

Last 5 years

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| Integrate Work, keynote speaker, Washington DC | 2024 |
| American Society of Transplantation, Journal Club keynote speaker <i>[online]</i> | 2024 |
| University of Barcelona, Economics Seminar | 2022 |
| Boston University HLP Advanced Quantitative Seminar, Boston, MA <i>[online]</i> | 2021 |
| Stanford University, Economics of Transplantation Seminar, Palo Alto, CA <i>[online]</i> | 2021 |
| Centre for Health Economics Seminar, York, UK <i>[online]</i> | 2021 |
| Forum SPC (Portuguese Society of Cardiology), closing speaker <i>[online]</i> | 2021 |
| <i>"Creating value in an evolving health care system"</i> | |
| LSE Event "A Commitment to Welfare: the impact of Richard Titmuss on health and social policy" <i>[online]</i> | 2020 |

LSE Marshall Institute, Beveridge 2.0 Symposium on Individual and Organisational Motivations for Public Benefit, panel speaker *[online]* - “Altruism in Health and Other Domains” 2020
 International Donation and Transplantation Legislative Forum, guest speaker - *cancelled due to COVID-19* 2020
 National Students for Global Health Conference: Health Access for All, Plenary Speaker, London 2020
 Geary Institute of Public Policy, University College Dublin, Dublin 2020

Previous talks: Erasmus School of Economics (Rotterdam, 2016), Imperial College School of Public Health (London, 2015), HCP Harvard Medical School (Boston, 2015, 2013), LSHTM Health Economics Seminar (London, 2019, 2015), LSE Behavioural Economics Seminar (London, 2015), Imperial College Business School (London, 2012), LSESU United Nations Society (London, 2019)

CONFERENCE PRESENTATIONS

Last 5 years

Portuguese Health Economics Association 2023
 American Heart Association (AHA21), online 2021
 American College of Cardiology (ACC21) 2021
 Southern Economic Association 2021
 ASHEcon American Society of Health Economists 2021

Previous conferences: Southern Economic Association (2019), UK Health Economics Study Group (2015x2), Jornadas AES (2015), Harvard Behavioral Insights Group (BIG Ideas) Workshop (2015), Portuguese Health Economics Association (2019, 2017, 2016, 2015, 2013, 2011, 2009, 2008, 2007, 2006), ASHEcon American Health Economics Association (2019, 2016, 2015, 2012), ECHE/EuHEA European Conference on Health Economics (2017, 2016, 2012, 2008), EuHEA Student-Supervisor and Early Career Researcher Conference (2016, 2017), iHEA International Health Economics Association (2017, 2015, 2011, 2007)

PROFESSIONAL ACTIVITIES

REFeree EXPERIENCE

JAMA Internal Medicine, JAMA Network Open, Behavioural Public Policy, Health Care Management Science, Health Economics, Health Policy, International Journal of Health Care Finance and Economics, German Economic Review, The Journal of Heart and Lung Transplantation, European Journal of Public Health, Inquiry, PNAS, Annals of Public Health

COMMITTEES

Board member, [Portuguese Health Economics Association](#) 2019-2021; 2023 - present
Organising Committee, [18th National Conference on Health Economics](#) 2023
Deputy Chair, [EuHEA – Early Career Committee](#) 2017-2020
Organising Committee, [EuHEA PhD Student-Supervisor Conference](#) 2019
Management Board member, [BEHnet – Behavioural Experiments in Health Network](#) 2015-2019
Scientific Committee Chair, [Portuguese Health Economics Association Workshop](#) 2018

OTHER AFFILIATIONS

European Health Economics Association (EuHEA), Health Economics Study Group (HESG), International Health Economics Association (iHEA), American Society of Health Economists (ASHEcon), American Economic Association (AEA), Heart Failure Society of America (HFSA), and Portuguese Health Economics Association (APES)

March 2025