

**SARA R. MACHADO**<https://www.saramachado.org/> | [sara\\_machado@brown.edu](mailto:sara_machado@brown.edu)**CURRENT APPOINTMENT**

<b>Brown University School of Public Health</b>	<b>Providence, RI, USA</b>
Department of Health Services, Policy & Practice	
CHeSS – Center for Health System Sustainability	
Research Scientist	January 2025 – Present
Adjunct Instructor of Health Services, Policy & Practice	April 2025 – Present

**PREVIOUS APPOINTMENTS**

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

**HONORARY APPOINTMENTS**

<b>London School of Economics</b>	<b>London, UK</b>
Visiting Fellow	2023 - 2025
<b>Brigham and Women’s Hospital</b>	<b>Boston, MA</b>
Harvey Chair Scholar	2018-2022

**EDUCATION**

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

**FIELDS AND RESEARCH INTERESTS**

<b>Primary Fields:</b>	Health Economics
<b>Secondary Fields:</b>	Health Policy, Health Services Research
<b>Research Interests:</b>	Health and wealth; cardiovascular health economics; health system design and performance assessment; socioeconomic determinants of health; organ donation and transplantation

**SCHOLARSHIPS AND AWARDS**

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**

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GUEST LECTURES – *Health economics, health systems*

Department of Health Services, Policy, and Practice, Brown University, Providence RI, US	2025-present
Department of Economics, Boston University, Boston MA, US	2023-present
PADIS – Programa de Alta Direção de Instituições de Saúde, AESE Business School, Lisbon, Portugal	2018-present
School of Health Sciences of the Portuguese Red Cross (ESSCVP), Lisbon, Portugal	2024

## INSTRUCTOR

**Brown University**

Comparative Health Care Systems: *GPHP 2410 (Online MPH)* Summer 2025

**Boston University**

Health Economics: *EC387 (BA)* Spring 2014  
 Economics Statistics: *EC305 (BA)* Spring 2014  
 Empirical Economics: *EC305 (BA)* Fall 2015

TEACHING FELLOW - *includes lectures and seminars***London School of Economics – Department of Health Policy**

Health Economics: <i>SA408, HP420 (MSc), SA4G2, HP4A4E (Executive MSc)</i>	2016-2022
Measuring Health Systems Performance: <i>SA4E2, HP4B4E (Executive MSc)</i>	2016-2022
Cost Effectiveness in Health Care: <i>HP4E4E (Executive MSc)</i>	2019-2020
Behavioural Science for Health: <i>PB452E (Executive MSc)</i>	2018-2019
Advanced Health Econometrics: <i>SA4L5 (MSc)</i>	2016-2017
Economics of Health and Wellbeing: <i>SA4N7 (Executive MSc)</i>	2016-2017

## TEACHING ASSISTANT

**Boston University**

Health Economics: *EC581 (MSc)* Spring 2015  
 Health Economics: *EC387 (BA)* Fall 2013-2015  
 Public Finance: *EC355 (BA)* Spring 2014-2015  
 Economics Development of Latin America: *EC369 (BA)* Fall 2014

**Imperial College Business School**

Health Economics (*MSc*) Fall 2016

**PHD SUPERVISION**

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Bruno Venâncio, Economics, FEP – Faculdade de Economia da Universidade do Porto 2025-present

**PUBLICATIONS**

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## PEER REVIEWED

O'Neill E, Wei J, **Machado SR**, Galarraga O, Papanicolas IN (2025) "An Assessment of Antimicrobial Resistance National Action Plans and Their Impact on Antibiotic Use" *BMJ Global Health*. 2025;10:e020536.

<https://doi.org/10.1136/bmjgh-2025-020536>

Santos C, **Machado SR**, Costa E (2025) "The impact of multimarket competition on generic drugs' regulated prices" – *Health Economics* 34. no. 12, 2196–2222. <https://doi.org/10.1002/hec.70029>

Papanicolas I., **Machado S**, Kyriopoulos I (2025) "Wealth and Mortality in the United States and Europe." *New England Journal of Medicine*. 2025;393:205-207. doi:[10.1056/NEJMc2506058](https://doi.org/10.1056/NEJMc2506058)

**Machado S**, Kyriopoulos I, Orav EJ, Papanicolas I. (2025) "Association between Wealth and Mortality in the United States and Europe." *New England Journal of Medicine*. 2025;392(13):1310-1319. doi:[10.1056/NEJMs2408259](https://doi.org/10.1056/NEJMs2408259)

Selected media coverage: *NBC*, *Fortune*, *The Conversation*, *Público* [in Portuguese], *Brown Herald*, *Il fatto Quotidiano* [in Italian], *The Hill*, *Wall Street Journal*, *The Economist*, *Der Standard* [Austria], *La Vanguardia* [in Spanish], *El País* [in Spanish], *De Standaard* [Belgium]

Selected podcast coverage: [MGFamiliar](#) [in Portuguese]; [A Moment in Health](#)

**Machado S**, Moura A, Vargas Lopes F, Marques D, Sa L. (2024) “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. (2024) “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](#) [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](#)

**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

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](#)

**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](#)

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](#)

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](#)

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](#)

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](#)

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

**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

**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](#)

DeFillippis 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>

## 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**

Abrahms C, Cylus J, **Machado SR**, Papanicolas I “Population Aging and Care System Sustainability: Understanding Demand, Supply, and Policy Options”, under review at *Nature Aging*

Costa GC, Pereira NS, **Machado SR** “Association between patient continuity of care and physicians’ hypoglycaemic medication prescription trends” – R&R at *International Journal of Health Economics and Management*

Bobotis S, **Machado SR**, Paoletti F, Romagnoli J, Mossialos E, Papalois V, “Best practices along the kidney transplantation clinical journey”, under review at *Frontiers in Transplantation*

Costa JC, **Machado SR**, Salyga H, “Altruism Budgets Across Pro-Social Behaviour: Health and Other Domains” – under review at *Rationality and Society*

Maharaj R, **Machado SR**, Papanicolas I “The impact of Long-Term Care funding on access to life sustaining critical care in the English NHS”, in preparation of submission to *Health Economics*

Santos C, **Machado SR**, Costa E “Does reference pricing systems foster intermolecular competition? Evidence from the statins market” in preparation of submission to *Health Policy*

Marsaudon A, **Machado SR**, Miniaci R, Galizzi MM “Does risk attitude respond to health events? (No) evidence from a UK representative sample” in preparation of submission to *Journal of Behavioral and Experimental Economics*

**INVITED SEMINARS AND GUEST TALKS**

*Last 5 years (includes scheduled)*

PADIS 50 <sup>th</sup> edition conference, keynote speaker [Madeira, Portugal]	2026
Long-Term Care Seminar Series, Gateway to Global Aging (USC) and CAPRA (UMichigan) [online]	2026
Department of Cardiology, ULS Gaia/Espinho, VN Gaia, Portugal	2025
Encontro Nacional de Unidades de Saúde Familiar, Santarém, Portugal	2025
Dirección de Sistema de Salud, Barna Business School [International week in Lisbon, Portugal] “Challenges in access to care in the Dominican Republic”	2025
Portuguese School of Public Health [online]	2025
Integrate Work, keynote speaker, Washington DC	2024
American Society of Transplantation, Journal Club keynote speaker [online]	2024
University of Barcelona, Economics Seminar	2022
Boston University HLP Advanced Quantitative Seminar, Boston, MA [online]	2021
Stanford University, Economics of Transplantation Seminar, Palo Alto, CA [online]	2021
Centre for Health Economics Seminar, York, UK [online]	2021
Forum SPC (Portuguese Society of Cardiology), closing speaker [online] “Creating value in an evolving health care system”	2021
LSE Event “A Commitment to Welfare: the impact of Richard Titmuss on health and social policy” [online]	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 - cancelled due to COVID-19	
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

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*Last 5 years, includes scheduled*

Portuguese Health Economics Association	2023, 2025
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)

## GRANTS AND FUNDED RESEARCH

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### ADVISER

Ministerio de Ciencia, Innovación y Universidades (MCIU), PID2022-138866OB-I00: "Mobility and transport policies: effects on climate change, sustainability and health". PIs: Germa Bel and Laia Maynou (Universitat de Barcelona). September 2023-August 2026

## PROFESSIONAL ACTIVITIES

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### REFEREE EXPERIENCE

New England Journal of Medicine, JAMA Internal Medicine, JAMA Network Open, Health Economics, Social Science and Medicine, JACC (Journal of the American Journal of Cardiology), Medical Care, Behavioural Public Policy, Health Care Management Science, 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, Archives of Public Health, Work Aging and Retirement, Value in Health, Journal of Population Ageing

### COMMITTEES

<b>Board member, <a href="#">Portuguese Health Economics Association</a></b>	2019-2021
	2023 – present
<b>Scientific Committee Chair, <a href="#">Portuguese Health Economics Association Workshop</a></b>	2018, 2024
<b>Organizing Committee, <a href="#">18<sup>th</sup> National Conference on Health Economics</a></b>	2023
<b>Deputy Chair, <a href="#">EuHEA – Early Career Committee</a></b>	2017-2020
<b>Organizing Committee, <a href="#">EuHEA PhD Student-Supervisor Conference</a></b>	2019
<b>Management Board member, <a href="#">BEHnet – Behavioural Experiments in Health Network</a></b>	2015-2019

### 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)