

SARA R. MACHADO<https://www.saramachado.org/> | sara_machado@brown.edu**CURRENT APPOINTMENT**

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
Senior Research Associate	Apr 2023 – Dec 2024
Adjunct Instructor of Health Services, Policy & Practice	April 2025 – Present

PREVIOUS APPOINTMENTS

London School of Economics	London, UK
Research Officer, LSE Health	2019-2022
LSE Fellow, Department of Health Policy	September 2016-2019
Imperial College London	London, UK
Postdoctoral Research Associate, Faculty of Medicine – School of Public Health	August-September 2016

HONORARY APPOINTMENTS

London School of Economics	London, UK
Visiting Fellow	2023 - 2025
Brigham and Women's Hospital	Boston, MA
Harvey Chair Scholar	2018-2022

EDUCATION

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

Primary Fields:	Health Economics
Secondary Fields:	Health Policy, Health Services Research
Research Interests:	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

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: <i>GPHP 2410 (Online MPH)</i>	Summer 2025-present
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Boston University

Health Economics: <i>EC387 (BA)</i>	Spring 2014
Economics Statistics: <i>EC305 (BA)</i>	Spring 2014
Empirical Economics: <i>EC305 (BA)</i>	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: <i>EC581 (MSc)</i>	Spring 2015
Health Economics: <i>EC387 (BA)</i>	Fall 2013-2015
Public Finance: <i>EC355 (BA)</i>	Spring 2014-2015
Economics Development of Latin America: <i>EC369 (BA)</i>	Fall 2014

Imperial College Business School

Health Economics (<i>MSc</i>)	Fall 2016
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PHD SUPERVISION

Bruno Venâncio, Economics, FEP – Faculdade de Economia da Universidade do Porto [Expected defense: Sept 2026]

PUBLICATIONS

PEER REVIEWED

Machado SR, Bobotis S, Loupy A, Divard G, Goutaudier V, Pascher A, Houben P, Romagnoli J, Paoletti F, Casanova D, Zarraga S, Ergisi M, Ooi B, Papalois ZA, Mossialos E, Papalois V (2026) “Best practices along the kidney transplantation clinical journey.” *Front Transplant*. 2026 Apr 13;5:1779662. doi:

<https://doi.org/10.3389/frtra.2026.1779662>

Gomes-da-Costa J, **Machado SR**, Pereira NS, (2026) “Association between patient continuity of care and physicians’ hypoglycemic medication prescription trends” *Int J Health Econ Manag*. **26**, 8 (2026).

<https://doi.org/10.1007/s10754-026-09410-4>

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/NEJMsa2408259](https://doi.org/10.1056/NEJMsa2408259)

Selected media coverage: [NBC](#), [Fortune](#), [The Conversation](#), [Público](#) [in Portuguese], [Brown Herald](#), [Ill 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](https://doi.org/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](https://doi.org/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/hasch/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)

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: [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)

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)

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 (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

Santos C, **Machado SR**, Costa E “Internal reference pricing systems and intermolecular competition: Evidence from the statins market”, under review at *European Journal of Health Economics*

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

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

Roberts W, Holdroyd I, **Machado SR**, Ford J “The value of health inequality: The Impact of the Health Inequality Index on Integrated Care Board Funding”, under review at *BMJ Public Health*

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*

Venâncio B, **Machado SR** “Something in the Way They Act: Physician Behavior under Voluntary and Mandatory Incentives”, in preparation of submission to *Health Economics*

INVITED SEMINARS AND GUEST TALKS

Last 5 years (includes scheduled)

CRES, Pompeu Fabra University, Barcelona, Spain	2026
PADIS 50 th edition conference, keynote speaker, Madeira, Portugal	2026
Long-Term Care Seminar Series, Gateway to Global Aging (USC) and CAPRA (UMichigan) [online]	2026
Value-based Healthcare Management Course, UMinhoExec [online] “Innovation, costs, and value-based purchasing”	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	2025
American Society of Transplantation, Journal Club keynote speaker [online]	2024
University of Barcelona, Economics Seminar	2024
Boston University HLP Advanced Quantitative Seminar, Boston, MA [online]	2022
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

Previous talks

Geary Institute of Public Policy, University College Dublin (Dublin, 2020); National Students for Global Health Conference: Health Access for All, Plenary Speaker (London, 2020); LSE Marshall Institute, Beveridge 2.0 Symposium on Individual and Organisational Motivations for Public Benefit, "Altruism in Health and Other Domains" (London, 2020); LSE Event "A Commitment to Welfare: the impact of Richard Titmuss on health and social policy" (London, 2020) 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, includes scheduled

ASHEcon American Society of Health Economists	2021, 2026
Portuguese Health Economics Association	2023, 2025
American Heart Association (AHA21), online	2021
American College of Cardiology (ACC21)	2021
Southern Economic Association	2021
	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

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
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PROFESSIONAL ACTIVITIES

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

Board member , Portuguese Health Economics Association	2019-2021
	2023 – present
Scientific Committee Chair , Portuguese Health Economics Association Workshop	2018, 2024
Organizing Committee , 18th National Conference on Health Economics	2023
Deputy Chair , EuHEA – Early Career Committee	2017-2020
Organizing Committee , EuHEA PhD Student-Supervisor Conference	2019
Management Board member , BEHnet – Behavioural Experiments in Health Network	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)

May 2026