

# Joan E. Madia

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Health Sciences  
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🏛️ [University Page](#)  
🐦 [JoanEMadia](#)

## Research Fields

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Health and Well-Being, Healthcare Management, Policy Evaluation, Cost-effectiveness, Causal Inference, & Clinical Informatics

## Academic Appointments

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- **Senior Research Fellow in Health Economics** 2024–present  
Nuffield Dept. of Primary Care Health Sciences, University of Oxford, UK
- **Affiliated Researcher** 2017–present  
Institute for the Evaluation of Public Policies (FBK-IRVAPP),  
Bruno Kessler Foundation, Italy
- **Research Fellow in Health Economics** 2021–2024  
Nuffield Dept. of Primary Care Health Sciences, University of Oxford, UK
- **Visiting Fellow** Apr.–Jul. 2024  
Department of Economics, University of Verona, Italy
- **Research Collaborator** Jan.–Mar. 2024  
Department of Statistics and Quantitative Methods,  
Milano Bicocca University, Italy
- **Research Fellow** 2021–2022  
Climate change, Finance, and Global Health Project  
Dept. of Economics, Ca' Foscari University, Venice, Italy
- **Research Fellow** 2019–2021  
Excluded lives Project  
Dept. of Education, University of Oxford, UK
- **Visiting Researcher** 2020  
SOFI, University of Stockholm, Sweden
- **Research Assistant** 2017–2018  
Institute for New Economic Thinking (INET),  
*Oxford Martin School, University of Oxford, UK*
- **Junior Researcher** 2015–2017  
Research Institute for the Evaluation of Public Policies  
*Bruno Kessler Foundation, Italy*

## Education

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- **Ph.D., Nuffield College, University of Oxford, UK** 2022
- **MA and BA, University of Trento, Italy** 2017, 2015

## Teaching Experience

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- **Health Econometrics and Policy Evaluation Workshop** 2022–2024  
Nuffield Dept. of Primary Health Care, University of Oxford  
Advanced econometric methods for health policy evaluation
- **Master in Economics of Health Care** 2023–2024  
Dept. of Continuing Education, University of Oxford  
Module on Policy Evaluation and Econometrics
- **Analytical Skills for Business Research** 2023  
Brunel Business School London  
Statistical analysis and research methods for Business Research
- **Healthcare Policy and Programme Evaluation** 2023  
Brunel Business School London  
Methods for evaluating healthcare policies
- **MSc Advanced Quantitative Methods. Stata Lab** Jan.–Mar. 2022  
Dept. of Sociology, University of Oxford  
Hands-on training in Stata for advanced quantitative data analysis
- **Interrupted Time Series and Difference-in-Differences Methods** Mar. 2022  
Nuffield Dept. of Primary Health Care, University of Oxford  
Training on implementing time series and difference-in-differences methods using R for policy evaluations
- **Statistics for the Human Science Degree** 2018–2020  
St Benet's Hall and Mansfield College, University of Oxford  
Statistical concepts and methods for human sciences, including hypothesis testing and regression analysis
- **Statistics and Social Research, Oxford-Stanford Exchange Programme** 2019  
Stanford House, University of Oxford, Stanford University  
Statistical techniques for social research, including survey analysis and experimental design
- **Advanced Quantitative Methods. Stata Lab** Oct.–Jan. 2018  
Dept. of International Development, University of Oxford  
Advanced quantitative methods using Stata
- **Teaching Assistant in Quantitative Methods for BSc in Sociology and International Relations** 2015–2016  
Dept. of Sociology, University of Trento, Italy  
Assisting in the teaching of quantitative methods for undergraduate students

## Publications in Health and Well-being

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- Madia, J.E., Baek, J.Y., & Shin, A. (2024). “Transforming Public Health and Economic Outcomes by Reducing Risky Behaviors: The Potential for South Korea.” *Forthcoming at Discovery Social Sciences and Health*.
- Moscone, F., Madia, J.E., Nicodemo, C., An, J.C., & Lee, C. (2024). “Addressing Fiscal Uncertainty: Proposing Policy Pathways for Enhancing Economic Growth and Fertility Rates in South Korea.” *Research in Economics*, 100975.
- Boggian, L., Madia, J.E., Moscone, F., & Orso, C. (2024). “Immigrant Status and Likelihood of Opioid Treatment. Lessons from Spain's National Health Service.” *Journal of Economic Behaviour and Organisation*, 227, 106754.
- Bazzoli, M., Madia, J.E., Nicodemo, C., & Podesta, F. (2023). “Immigration and natives health outcomes. Evidence from Sixteen European countries.” *Economic Modelling*, 131, 106627.
- Madia, J.E., Moscone, F., & Nicodemo, C. (2023). “Studying Informal Care during the

Pandemic: Mental Health, Gender, and Job status.” *Economics and Human Biology*, 50, 101245.

- Madia, J.E., Moscone, F., & Nicodemo, C. (2023). “Elderly, COVID-19 and Informal Care: Evidence from the UK.” *Journal of Economic Behavior and Organization*, 205, 468-488.
- Hervy, C., Cavalli, N., Madia, J.E., & Nicodemo, C. (2022). “Diverging Mental Health after Brexit: Evidence from a Longitudinal Survey.” *Social Science and Medicine*, 302, 114993.
- Obsuth, I., Madia, J.E., Thompson, I., Daniels, H., & Murray, A.L. (2022). “The Impact of School Exclusion in Childhood on Health Outcomes in Adulthood: Estimating Causal Effects using Inverse Probability of Treatment Weighting.” *British Journal of Educational Psychology*. <https://doi.org/10.1111/bjep.12656>.

## Publications in Methods and Open Science

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- Breznau, N., Rinke, E., Wuttke, A., Et Al. (2025). “The Reliability of Replications: A Study in Computational Reproductions.” *Forthcoming at Royal Society Open Science*. [Pre-print](#)
- Breznau, N., Rinke, E.M., Wuttke, A., Et al. (2022). “Observing Many Researchers Using the Same Data and Hypothesis Reveals a Hidden Universe of Uncertainty.” *Proceedings of the National Academy of Sciences (PNAS)*, 119(44):e2203150119.

## Publications in Inequality and Policy

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- Madia, J.E., Obsuth, I., Thompson, I., Daniels, H., & Murray, A.L. (2022). “Long-term labour market and economic consequences of school exclusions in England: Evidence from two counterfactual approaches.” *British Journal of Educational Psychology*, e12487.
- Kuitto, K., Madia, J.E., & Podesta, F. (2021). “Pension Generosity and Old Age Poverty in OECD Countries.” *Journal of Social Policy*, 1-20.
- Azzolini, D., Campregheer, S., & Madia, J.E. (2020). “Formal instruction vs informal exposure. What matters more for teenagers’ acquisition of English as a second language?” *Research Papers in Education*, 37(2), 153-181.
- Azzolini, D., Guetto, R., & Madia, J.E. (2017). “Do Mixed Unions Foster Integration? The Educational Outcomes of Mixed-parentage Children in Italy.” *Journal of International Migration and Integration*, 18(4), 1033–1060.

## Papers Under Review and Working Papers

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- Hoang Uy Et Al. (2024). “Clinical Characteristics of Virologically Confirmed Respiratory Syncytial Virus (RSV) in English primary care: Protocol for the Observational Study of Acute Respiratory Infection (ObservatARI).” *JMIR Preprints*. DOI: 10.2196/preprints.60669
- Madia, J.E., Nicodemo, C., Orso, C., & Tealdi, C. (2024). A Cross-Sectional Analysis of Overseas General Practitioners’ Opioid Prescribing Patterns in England.
- Madia J.E., Nicodemo, C., Tealdi, C., Shah, A., & Sheikh, A. (2024). “NHS England Productivity and Elective Care Waiting List Backlog.”
- Rowold, C., & Madia, J.E. (2024). “Demographic Transitions and Lifestyle Factors: Quantifying the Burden of Smoking-Attributable Diseases on Germany’s Healthcare System.” *Max Planck working paper*.
- Madia, J.E., & Espinosa Herrera, A. (2024). “Evaluating the Relative Cost-Effectiveness of Tobacco Control Interventions in Mexico: A Comparative Analysis of Five Different Scenarios.”
- Madia, J.E., Moscone, F., Nicodemo, C., Orso, C., & Tealdi, C. (2023). “Temporary GPs and the Effects on Patients’ Health Outcomes.”
- Madia, J.E., Moscone, F., & Nicodemo, C. (2022). “Ethnicity and Health at Work during the COVID-19 pandemic.”
- Madia, J.E., Praeg, P., & Monden, C. (2022). “Does Children’s Education Improve Parental

## Book Chapters

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- Madia, J.E., & Nicodemo, C. (2022). “Migration and Health During Covid-19 Period.” In K.F. Zimmerman (Ed.), *Handbook of Labor, Human Resources and Population Economics*. Cham: Springer.
- Madia, J.E., Nicodemo, C., & Redding, S. (2022). “Ethnicity and Inequality during the COVID-19 pandemic.” In B.H. Baltagi, F. Moscone, & E. Tossetti (Eds.), *The Economics of Covid-19 in Contributions to Economic Analysis*. Bingley: Emerald Publishing.
- Paskov, M., Madia, J.E., & Goedemé, T. (2018). “Middle Class Living Standards: What Can We Learn from Beyond Income Measures of Economic Wellbeing?” In B. Nolan (Ed.), *Generating Prosperity in Affluent Countries*. Oxford: Oxford University Press.

## Blogs and Media Impact

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- NHS’s New 2024 Budget: Stepping Stones to Reform Amid Financial Constraints, Antevorta Foundation, **Nov., 2024**, [online link](#)
- GP Shortage in the UK: Implications and Solutions, Antevorta Foundation, **Oct., 2024**, [online link](#)
- Challenges for Future Governments: Ensuring NHS Sustainability and Efficiency, Antevorta Foundation, **Jul., 2024**, [online link](#)
- South Korea: the key to reviving the birth rate is fiscal predictability, Agenzia Nova.News, Italy **Jun., 2024**, [online link](#)
- Los líderes mundiales en salud pública apoyan las alternativas al tabaco para reducir el daño, Argentina, **Jun., 2024**, [online link](#)
- Fumo e alcol, La transizione che può aiutare la salute e i conti pubblici, Il Sussidiario, Italy, **Jun., 2024**, [online link](#)
- 1.000 millones de ahorro en salud cambiando el cigarro tradicional por alternativas menos dañinas, La Razon, Spain, **May, 2024**, [online link](#)
- Expertos británicos piden incentivar las alternativas menos perjudiciales a los productos adictivos, El Español, Spain, **May, 2024** [online link](#)
- Informal Care During the Pandemic, Brunel Business School Blog, **Jun., 2023**, [online link](#)
- After Brexit, mental health in the UK worsened compared to trend, University of Oxford blog, **May, 2022**, [online link](#)

## Funding & Awards

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- **Co-investigator**, Incidence and Clinical Characteristics of Virologically-Confirmed RSV 2023  
Funded by Moderna (£4,000,000)
- **Co-investigator**, Waiting times in Emergency Departments 2023  
National Institute for Health Research (NIHR) and Health and Social Care  
Delivery Research (£580,000)
- **Co-investigator**, Real-world effectiveness of Oxford/Astrazeneca COVID-19 vaccine 2022  
Funded by AstraZeneca (£5,000,000)
- **Co-investigator**, Multi-morbidity, Inequality, and Use of Health Care (MICA) 2021  
National Institute for Health Research (NIHR) School for Primary Care Research  
(£62,700)
- **RC28 Travel award** (£300) 2021
- **Large UK ESRC Grant, Excluded Lives Project** 2019  
Work package A.2, Co-Investigator, Grant number: ES/S015744/1 (£2,040,680)
- **INGRID-2 Visiting Scholar Grant** (£2,500) 2019

## Conferences and Invited Talks

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### Conferences

- **Empirical Health Economics Workshop** Jul. 2024  
*Sant'Anna University Pisa, Italy*
- **American European Health Economics Study Group** Jun. 2024  
*University of Catania, Italy*
- **Italian Health Economics Association** Dec. 2023  
*La Sapienza University Rome*
- **American European Health Economics Study Group** Jul. 2023  
*Harvard University, Cambridge Massachusetts, USA*
- **Population Association of America (PAA) Annual Meeting** May 2021  
*New Orleans, USA*
- **Empirical Health Economics Workshop** Jul. 2022  
*Joint Research Centre, European Commission, Ispra, Italy*
- **Spatial Health Economics Workshop** Jul. 2022  
*Ca' Foscari University, Venice, Italy*
- **European Consortium for Sociological Research (ECSR) Annual Conference** Jul. 2022  
*University of Amsterdam, Netherlands*
- **American European Health Economics Study Group** Jun. 2022  
*Pompeu Fabra University, Barcelona, Spain*
- **Research Committee in Social Stratification and Mobility (RC28)** Apr. 2022  
*London School of Economics and Political Science, UK*
- **Italian Health Economics Association (AIES) 26th Annual Conference** Dec. 2021  
*University of Bocconi, Italy*
- **Advanced Pharmaco and Health Economics Conference (APHEC)** Sep. 2021  
*University of Genoa, Italy*
- **Population Association of America (PAA) Annual Meeting** May 2021  
*Online Conference*
- **Research Committee in Social Stratification and Mobility (RC28)** Apr. 2021  
*University of Turku, Finland*
- **European Consortium for Sociological Research (ECSR) Annual Conference** Sep. 2019  
*University of Lausanne, Switzerland*
- **Research Committee in Social Stratification and Mobility (RC28)** Jul. 2019  
*University of Princeton, USA*
- **Research Committee in Social Stratification and Mobility (RC28)** Mar. 2019  
*University of Frankfurt, Germany*
- **Equal Chances Conference: Social Mobility Around the World** Dec. 2018  
*University of Bari and World Bank, Italy*

### Invited Talks

- **Economics Research in Public Health, Social Care, and Primary Care:** Oct. 2024  
*Three NIHR Schools, PRUs and ARCs, Manchester*
- **Brunel Business School - Industry Annual Forum** Jun. 2024
- **Brunel First Annual Health Economics and Policy Forum** May 2024
- **Health Organisation, Policy and Economics (HOPE),** Apr. 2022  
*Centre for Primary Care & Health Services Research,  
University of Manchester, UK*

- **Brunel Business School, Brunel University London, UK** Mar. 2022
- **Institute for the Evaluation of Public Policies (FBK-IRVAPP), Italy** Jun. 2021
- **Netherlands Interdisciplinary Demographic Institute (NIDI),** Jul. 2020  
Netherlands
- **Institute for Social and Economic Research (ISER), UK** Jun. 2019
- **Institute for New Economic Thinking (INET),** Jun. 2018  
University of Oxford, UK
- **Finnish Centre for Pensions, ETK, Finland** May 2018

## Service to the Profession

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Reviewer for: Health Economics; Journal of Health Economics; Social Sciences and Medicine; BJM Open; Journal of Economic Behavior and Organisation; Labour Economics; Journal of Labour Economics; Empirical Economics; Discover Social Science and Health; Migration Study; Labor; Research in Economics; Economic Modelling

## Editorial Work

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Guest Editor, Journal of Economic Behavior and Organisation, Special Issue on “Immigration, Health, and Wellbeing, 2023”

## Languages and Technical Skills

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### Languages

- Spanish (native)
- Italian (fluent)
- English (fluent)

### Technical Skills

- Stata
- R & SQL
- LaTeX

## Memberships

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- **European Association of Labour Economists (EALE)** 2021–present
- **Population Association of America (PAA)** 2021–present
- **Office for National Statistics UK Accredited Researcher** 2021–present
- **Alumni Human Capital and Economic Opportunity** 2017–present  
**Global Working Group (HCEO)**

## References

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Prof. Stavros Petrou  
Green Templeton College  
Nuffield Dept. of Primary Health Care Sciences  
University of Oxford, UK  
[stavros.petrou@phc.ox.ac.uk](mailto:stavros.petrou@phc.ox.ac.uk)

Prof. Francesco Moscone  
Brunel University London, UK  
& Department of Economics,  
University of Venice, Italy  
[francesco.moscone@brunel.ac.uk](mailto:francesco.moscone@brunel.ac.uk)

Associate Prof. Catia Nicodemo  
Nuffield Dept. of Primary Health Care Sciences  
University of Oxford, UK  
[catia.nicodemo@economics.ox.ac.uk](mailto:catia.nicodemo@economics.ox.ac.uk)

Prof. Cristina Tealdi  
Heriot-Watt University, Edinburgh (UK)  
& IZA Institute of Labor Economics  
[c.tealdi@hw.ac.uk](mailto:c.tealdi@hw.ac.uk)