Joan E. Madia

Research Fellow in Health Economics
and Policy Evaluation
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Research Fields

Health and well-being, Programme Evaluation, Cost-effectiveness analysis; Causal inference, & Big Data

Appoinments

Research Fellow, **2021-present**
Nuffield Dept of Primary Health Care Sciences, University of Oxford, UK

Research Collaborator, **March 2024**
Department of Statistics and Quantitative Methods, Milano Biccoca University, Italy

Research Affiliate at the Institute for the Evaluation of Public Policies (FBK-IRVAPP), **2017-present**
Bruno Kessler Foundation, Italy

Research Fellow on Climate change, Finance, and Global Health Project, **2021-2022**
Dept. of Economics, Ca' Foscari University, Venice, Italy

Research Fellow at the Excluded lives Project, **2019-2021**
Dept. of Education, University of Oxford, UK

Research Assistant at The Economics of Immigration and Inequality in Health, **2020-2021**
Nuffield Dept. of Primary Health Care Sciences, University of Oxford, UK

Visiting Researcher, SOFI, University of Stockholm, Sweden, **2020**

Research Assistant at FAMSIZEMATTERS project, **2018-2020**
Dept. of Sociology, University of Oxford, UK

Research Assistant at the Institute for New Economic Thinking (INET), Employment Equity and Growth (EEG) program, **2017-2018**
Oxford Martin School, University of Oxford, UK

Researcher at the Research Institute for the Evaluation of Public Policies, **2015-2017**
Bruno Kessler Foundation, Italy

Education

Ph.D, Nuffield College, University of Oxford, UK, **2022**

MSc, University of Trento, Italy, **2017**

Teaching experience

Health Econometrics and Policy Evaluation Workshop, **Mar 2024; Oct 2023; Feb. 2022**
Nuffield Dept. of Primary Health Care, University of Oxford, UK
This workshop covers advanced econometric methods for evaluating health policies and interventions, including difference-in-differences, synthetic control methods, and instrumental variables approaches.

Master in Economics of Health Care, **Mar. 2024; Mar. 2023**
Module on Policy Evaluation and Econometrics
Dept. of Continuing Education, University of Oxford, UK
This module provides students with a comprehensive understanding of econometric techniques used in health policy evaluation, such as regression analysis, panel data models, and quasi-experimental methods.

Analytical Skills for Business Research **Nov. 2023**
Brunel Business School London, UK
This course equips students with analytical skills necessary for conducting business research, including data management, statistical analysis, and interpreting results.

Healthcare Policy and Programme Evaluation **Apr. 2023**
Brunel Business School London, UK This course focuses on methods for evaluating the effectiveness and cost-effectiveness of healthcare policies and programs, using primarily quantitative approaches.

MSc Advanced Quantitative methods. Stata lab, Hilary term, **Jan.-Mar. 2022**
Dept. of Sociology, University of Oxford, UK
In this lab-based course, students gain hands-on experience with the statistical software Stata, learning advanced quantitative methods for data analysis and research.

Interrupted Time Series and Difference-in-Differences methods using R, **Mar. 2022**
Nuffield Dept. of Primary Health Care, University of Oxford, UK
This workshop provides training on implementing interrupted time series and difference-in-differences analyses using the R programming language for evaluating policy interventions.

Statistics for the Human Science Degree, Michaelmas and Hilary terms, **2018-2020**
St Benet's Hall, University of Oxford, UK
This course covers statistical concepts and methods relevant to the human sciences, including descriptive statistics, hypothesis testing, and regression analysis.

Statistics and Social Research, Oxford-Stanford exchange programme, **2019**
Stanford House Oxford, Stanford University
This course, part of the Oxford-Stanford exchange program, focuses on statistical techniques used in social research, such as survey analysis and experimental design.

Advanced Quantitative methods. Stata lab, Michaelmas term, **Oct.-Jan., 2018**
Dept. of International Development, University of Oxford

Teaching Assistant in Quant. methods for BSc in Sociology and Int. Rel., **2015-2016**
Dept. of Sociology, University of Trento, Italy

Publications in Health and Well-being

Bazzoli, Martina, Joan E. Madia., Catia Nicodemo, & Federico Podesta', **2023**, "Immigration and natives health outcomes. Evidence from Sixteen European countries", ***Forthcoming in Economic Modelling***.

Madia, Joan E., Francesco Moscone, & Catia Nicodemo, **2023**, "Studying Informal Care during the Pandemic: Mental Health, Gender, and Job status", ***Economics and Human Biology***, Vol. 50, 101245.

Madia, Joan E., Francesco Moscone, & Catia Nicodemo, **2023**, "Elderly, COVID-19 and Informal Care: Evidence from the UK", ***Journal of Economic Behavior and Organization***, **Vol. 205, pag. 468-488.**

Breznau, Nate, Eike M. Rinke, Alexander Wuttke, 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)*, Vol. 119(44):e2203150119.**

Hervy, Charlotte, Nicolo Cavalli, Joan E. Madia, & Catia Nicodemo, **2022**, "Diverging Mental Health after Brexit: Evidence from a Longitudinal Survey", ***Social Science and Medicine*, Vol. 302, 114993.**

Obsuth, Ingrid, Joan E. Madia, Ian Thompson, Harry Daniels, & Aja L. Murray, **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 Inequality and Policy

Madia, Joan E., Ingrid Obsuth, Ian Thompson, Harry Daniels, & Aja L. Murray, **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, Kati, Joan E. Madia, & Federico Podesta, **2021**, "Pension Generosity and Old Age Poverty in OECD Countries", ***Journal of Social Policy*, pp. 1–20.**

Azzolini, Davide, Sabrina Campregher, & Joan E. Madia, **2020**, "Formal instruction vs informal exposure. What matters more for teenagers' acquisition of English as a second language?", ***Research Papers in Education*, Vol. 37(2), pp. 153-181.**

Azzolini, Davide, Raffaele Guetto, & Joan E. Madia, **2017**, "Do Mixed Unions Foster Integration? The Educational Outcomes of Mixed-parentage Children in Italy", ***Journal of International Migration and Integration*, Vol. 18(4), pp. 1033–1060.**

Papers under review and working papers

Madia, Joan E., Catia Nicodemo, Stavros Petrou, & Simon, de Lusignan, **2023**, "Health Care Use and Costs related to Oxford/AstraZeneca COVID-19 vaccine", **In preparation for The Lancet.**

Madia, Joan E., Francesco Moscone, Catia Nicodemo, Cristina E. Orso & Cristina Tealdi, **2023**, "Temporary GPs and the Effects on Patients' Health Outcomes", **Under-review at Labour Economics.**

Madia, Joan E., Francesco Moscone, & Catia Nicodemo, **2022**, "Ethnicity and Health at Work during the COVID-19 pandemic", *R&R at Regional Science and Urban Economics*.

Madia, Joan E., Patrick Praeg, & Christiaan Monden, **2022**, "Does Children's Education Improve Parental Longevity? Evidence from Two Educational Reforms in England", Pre-print available, *R&R at Demography*.

Bazzoli, Martina, Joan E. Madia., & Federico Podesta', **2022**, "Another battle of the have not? The Impact of Immigration on the Poverty Risk of Western European Natives", ***Under review at Journal of Population Economics***.

Boggian, Luigi; Joan E. Madia & Catia, Nicodemo, **2023**, Immigration and Disparities in Prescriptions for CVD Risk Factors Treatments. **Under-review at Journal of Health Economics.**

Book Chapters

Madia, Joan E. & Nicodemo Catia, **2022**, "Migration and Health During Covid-19 Period", in Zimmerman, Klaus F. (ed), "*Handbook of Labor, Human Resources and Population Economics*", Cham: Springer.

Madia, Joan E., Nicodemo Catia, & Stuart Redding, **2022**, "Ethnicity and Inequality during the COVID-19 pandemic", in Baltagi B.H., Moscone, F. and Tossetti, E. (eds), "*The Econonomics of Covid-19 in Contributions to Economic Analysis*", Bingley: Emerald Publishing.

Paskov, Marii, Joan E. Madia, & Tim Goedemé, **2018**, "Middle Class Living Standards: what can we learn from beyond Income Measures of Economic Wellbeing?" in Nolan B. (ed), "*Generating Prosperity in Affluent Countries*", Oxford: Oxford University press.

Blogs and media

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

Co-investigator, Incidence and Clinical Characteristics of Virologically-Confirmed RSV (£4,000,000)
Funded by Moderna, **2023**

Co-investigator, Waiting times in Emergency Departments: Inequalities and Impact on health outcomes (£580,000)
Funded by the National Institute for Health Research (NIHR) and Health and Social Care Delivery Research (HSDR), **2023**

Co-investigator, Real-world effectiveness of the Oxford/Astrazeneca COVID-19 vaccine in England (£5,000,000)
Funded by AstraZeneca, **2022**

Co-investigator Multi-morbidity, Inequality, and Use of and Access to Health Care (MICA)
Funded by National Institute for Health Research (NIHR) School for Primary Care Research (£62,700), **2021**

RC28 Travel award (£300), **2021**

Large UK ESRC grant (£2,040,680)
Excluded Lives Project, work package A.2, Co-Investigator grant number: ES/S015744/1, **2019**

INGRID-2 visiting scholar grant (£2,500), **2019**

Industry and Policy collaborations

In a £4 million collaborative research project involving Moderna, the University of Oxford, and other experts, we are investigating the economics and cost of Respiratory Syncytial Virus (RSV) from 2023 to 2025. The project aims to lead a team in real-world data analysis, aiming to evaluate the cost-effectiveness of emerging RSV interventions. The ultimate goal is to provide evidence-based policy recommendations that optimize both economic and public health outcomes.

In a £5 million research collaboration with AstraZeneca and the University of Oxford, our focus was on assessing the cost-effectiveness of UK COVID-19 vaccination policies. This involved conducting real-world analysis utilizing primary and secondary healthcare records. Our objective was to provide data-driven recommendations, prioritizing the balance between public health outcomes and economic considerations.

In a €60,000 research collaboration with Auraia (brokerage/finance firm) and Ca' Foscari University, Venice, we investigated how climate change and population health impact the finance sector.

Training courses provided to NHS England on health economics, statistics, and policy evaluation methods.

PhD and master students supervision

Co-supervised: Catharina Savelkoul (2023-2026), DPhil at Nuffield Department of Primary Health Care Sciences, University of Oxford, UK.

Co-supervised: Mayar Mina Najat (2021-2025) DPhil at Nuffield Department of Primary Health Care Sciences, University of Oxford, UK.

Co-supervised: Luigi Boggian (2020-2024), PhD at Louvain University, Belgium.

Four students of Master thesis at Ca' Foscari Venice, Italy.

Service to the profession

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

Editorial Work

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

Conferences and Invited talks

Conferences

American European Health Economics Study Group, **Jul. 2023**
Harvard University, Cambridge Massachusetts, USA

Population of Association 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

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 of Association America (PAA) Annual Meeting, USA, **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

Health Organisation, Policy and Economics (HOPE), Centre for Primary Care & Health Services Research, University of Manchester, UK, **Apr. 2022**

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), Netherlands, **Jul. 2020**

Institute for Social and Economic Research (ISER), UK, **Jun. 2019**

Institute for New Economic Thinking (INET), University of Oxford, UK, **Jun. 2018**

Finish Center for Pensions, ETK, Finland, **May 2018**

Memberships

European Association of Labour Economist, EALE, **2021 - present**

Population Association of America, PAA, **2021 - present**

Office for National Statistics UK Accredited Researcher, **2021 - present**

Alumni Member of Human Capital and Economic Opportunity Global Working Group (HCEO),
2017 - present

Languages

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

Computer skills

Stata
R, SQL, & Python languages
Latex