

## ***CURRICULUM VITAE***

**MARINA CAVALIERI**

*Up to date: July 2024*

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### **CURRENT POSITION**

Associate Professor of Public Finance, Department of Economics and Business, University of Catania.

External Affiliate of HEDG (Health, Econometrics and Data Group), Centre for Health Economics, University of York, UK.

National Scientific Qualification (Abilitazione Scientifica Nazionale) as Full Professor of Public Finance (13/A3) (from May 28th, 2021).

### **PREVIOUS APPOINTMENT**

April, 2017 - National Scientific Qualification (Abilitazione Scientifica Nazionale) as Associate Professor of Public Finance (13/A3);

December, 2014 - National Scientific Qualification (Abilitazione Scientifica Nazionale) as Associate Professor of Economic Policy (13/A2);

March, 2006 – February, 2018 - Assistant Professor of Public Finance (SECS-P/03), Department of Economics and Business, University of Catania;

### **EDUCATION**

2004 - PhD in Public Economics, University of Catania. Final dissertation: “Incentives, Reputation and Remuneration of General Practitioners: Theoretical and Empirical Analysis”; Supervisor: prof. Giacomo Pignataro.

2001 - Master of Science in Health Economics, University of York, York (UK). Final dissertation: “Incentives and Physician Payment Methods in Primary Care”; Supervisor: prof. A. Jones.

1998 - Laurea (BA) *cum laude* in Economics at University of Florence. Final dissertation: “La riforma dei sistemi sanitari nei paesi dell’America Latina”; Supervisor: prof. A. Petretto.

## **OTHER FELLOWSHIPS AND TRAINING**

2004-2006 – Postdoctoral fellowship in Public Economics for the research project: “Evaluation of the clinical activity of the Faculties of Medicine and Surgery and testing of financing models”, Department of Economics and Quantitative Methods, University of Catania,.

September, 2002 - Graduate student at the XIII CIDE (Centro Interfacoltà di Econometria) Summer School in Econometrics, Bertinoro (Italy).

May, 2002 – Graduate student at the Mediterranean School, CNR training program in Biostatistics, Epidemiology, Clinical Research and Health Services, Fontanebianche (Siracuse, Italy).

1998-1999 – fellowship for CIRIEC (supervisor: Prof. Alberto Baccini) for a research project on unemployment in the Province of Prato.

1998-99 – Graduate fellowship IRPET-COMUNE DI FIRENZE, at the Economic Development Department of the Municipality of Florence - Economic and Tourist Promotion Service, Participated Companies and Professional Training, Florence.

## **RESEARCH INTEREST**

- Health Economics
- Cultural Economics
- Public Procurement
- Public Finance

## **SCIENTIFIC PUBLICATIONS**

### **Articles in refereed journals**

- (with P.L. Ferrara, C. Finocchiaro, M.F. Martorana). "An Economic Analysis of the Use of Local Natural Waste: Volcanic Ash of Mt. Etna Volcano (Italy) for Geopolymer Production". *Sustainability*, 16(2): 1-14, 2024. DOI: 10.3390/su16020740.
- (with D. Lisi, I. Martorana, I. Rizzo). "Institutional quality and public sector performance: problems and perspectives". *Economia Italiana*, 2: 159-202, 2023. ISSN: 0392-775X.
- (with M. Finocchiaro Castro, C. Guccio). "Organised crime and educational outcomes in Southern Italy: An empirical investigation". *Socio-Economic Planning Sciences*, 89: 1-21, 2023. DOI:10.1016/j.seps.2023.101705.
- (with D. Di Pasquale, B. Torrìsi, G. Torrìsi). "An empirical take on the economic effects of insularity: the Italian regional case", *Rivista Italiana di Economia, Demografia e Statistica* 77(1): 4-12, 2023, ISSN: 0035-6832.
- (with L. Ferrante, M. Martorana, I. Rizzo). "The ICT strategy of Italian museums: institutional, supply and demand side drivers", *Economics of Innovation and New Technology*, 33(4):1-21, 2023, DOI: 10.1080/10438599.2023.2222268.

- (with P. Di Caro, C. Guccio, D. Lisi). "Does neighbours' grass matter? Testing spatial dependent heterogeneity in technical efficiency of Italian hospitals". *Social Science & Medicine*, 265, 2020. DOI:10.1016/j.socscimed.2020.113506.
- (with C. Guccio, D. Lisi, I. Rizzo). "Does Institutional Quality Matter for Infrastructure Provision? A Non-parametric Analysis for Italian Municipalities". *Italian Economic Journal*, 6(3): 521-62, 2020. DOI: 10.1007/s40797-019-00111-1.
- (with L. Ferrante). "Convergence, decentralization and spatial effects: an analysis of Italian regional health outcomes". *Health Policy*, 124(2): 164-171, 2020. DOI: 10.1016/j.healthpol.2019.12.001.
- (with R. Cristaudo, C. Guccio). "Tales on the dark side of the transport infrastructure provision: a systematic literature review of the determinants of cost overruns". *Transport Reviews*, 39(6): 774-794, 2019, DOI:10.1080/01441647.2019.1636895.
- (with R. Cristaudo, C. Guccio). "On the magnitude of cost overruns throughout the project life-cycle: An assessment for the Italian transport infrastructure projects". *Transport Policy*, 79(3):21-36, 2019, DOI: 10.1016/j.tranpol.2019.04.001.
- (with R. Cristaudo, L. Ferrante, C. Guccio). "Does the Project Design Matter for the Performance of Infrastructure Execution? An Assessment for Italy". *Italian Economic Journal*, 5(1): 39–77, 2019. DOI: 10.1007/s40797-018-00082-9.
- (with C. Guccio, I. Rizzo). "Does corruption and the institutional characteristics of the contracting authorities affect the execution of healthcare infrastructures? An empirical investigation for Italy". *Journal of Public Procurement*, 18(2): 148-164, 2018. DOI: 10.1108/JOPP-06-2018-010.
- (with C. Guccio, D. Lisi, G. Pignataro). "Does the Extent of per Case Payment System Affect Hospital Efficiency? Evidence from the Italian NHS". *Public Finance Review*, 46(1): 117-49, 2018. ISSN: 1091-1421, DOI:10.1177/1091142116652723.
- (with P. Catalfo, L. Ferrante). "Quality-enhancing incentive initiatives for hospital care: policy implications and management requirements". *International Journal of Public Policy*, 13(6): 383 – 404, 2017. ISSN: 1740-0600, DOI:0.1504/IJPP.2017.10008763.
- (with C. Guccio, I. Rizzo I). "On the role of environmental corruption in healthcare infrastructures: An empirical assessment for Italy using DEA with truncated regression approach". *Health Policy*, 121(5): 515-524, 2017. ISSN: 0168-8510, DOI: <http://dx.doi.org/10.1016/j.healthpol.2017.02.011>.
- (with L. Ferrante). "Does fiscal decentralization improve health outcomes? Evidence from infant mortality in Italy". *Social Science and Medicine*, 164: 74-88, 2016. ISSN: 0277-9536, DOI: 10.1016/j.socscimed.2016.07.017.
- (with C. Guccio, D. Lisi, G. Pignataro) "Financial Incentives and Inappropriateness in Health Care: Evidence from Italian Cesarean Sections", *FinanzArchiv*, 70(3), p. 430-457, 2014, ISSN: 0015-2218, DOI: <http://dx.doi.org/10.1628/001522114X684538>.
- "Geographical variation of unmet medical needs in Italy: a multivariate logistic regression analysis", *International Journal of Health Geographics*, 12(27), p. 1-11, 2013. ISSN:1476-072X.

- (with L. Gitto, C. Guccio) "Reimbursement systems and quality of hospital care: An empirical analysis for Italy", *Health Policy*, vol. 111,, p. 273-289, 2013. ISSN: 0168-8510.
- (with A. Mignosa) "Gli incentivi fiscali a favore del settore culturale: aspetti teorici ed evidenze empiriche", *Annali della Facoltà di Economia dell'Università di Catania*, LV, pp.149-170, 2012, ISSN 1721-9566.
- (with P. Catalfo, C. Guccio) "Finanziamento dei teaching hospitals: tra risorse immateriali e sistema di misurazione della performance", *MECOSAN*, vol. 20(77), p. 51-74, 2011. ISSN: 1121-6921.
- (with C. Guccio) "Effects of Decentralization and Cost Containment Policies on the Public Share of Health Expenditure in Italy", *Rivista di Diritto Finanziario e Scienza delle Finanze*, LXVIII, 1, pp. 35-68, 2009. ISSN: 0035-6131.
- (with A. Mangano) "Assetto proprietario delle farmacie e monopolio sulla vendita dei farmaci. Regolamentazione italiana e tendenze europee", *Politiche Sanitarie*, volume 10, numero 1, pp. 7-21, gennaio-aprile 2009, 2009. ISSN: 1590-069X
- "Un'analisi della variabilità della spesa farmaceutica delle Asl", *Economia Pubblica*, Franco Angeli, fascicolo 1-2, pp. 155-93, 2007. ISSN 0390-6140
- "Incentivi, sistemi di remunerazione e forme organizzative nell'assistenza medica di base", *Politiche Sanitarie*, volume 6(3), luglio-settembre 2005, pp. 159-174, 2005. ISSN: 1590-069X.

### **Contributions in books**

- (with E. Giardina, C. Guccio, I. Mazza). "Federalism, Party Competition and Public Expenditure: Empirical Findings on Regional Health Expenditure in Italy". DOI:10.1007/978-981-13-3107-7. pp.315-343. In: *Advances in Local Public Economics. Theoretical and Empirical Studies* ISBN:978-981-13-3106-0. In *New Frontiers in Regional Science: Asian Perspectives*, vol. 37, 2019, ISSN:2199-5974.

### **Books**

- "Payments and Other Incentives for Primary Care Physicians: Theory and Evidence from Italy", n. pp. 296, 2012, Lap Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 3659282693; ISBN-13: 978-3-659-28269-0

### **Scientific reports**

- (with C. Guccio, D. Lisi, G. Pignataro). Rapporto "Financing hospital care", InterQuality Project, European Commission, 7th PQ.
- (with C. Guccio, D. Lisi, G. Pignataro). Rapporto "Recommended financing models for hospital care", InterQuality Project, European Commission, 7th PQ.

### **Working papers**

- (con M. Finocchiaro Castro, P. L. Ferrara, C. Guccio, D. Lisi). Does medical malpractice liability matter for proper calibration of mixed payment systems?, submitted.

- (with D. Lisi, M.F. Martorana). Do all roads lead to Rome? Exploring the appropriateness and consistency of outcome-based indicators for ranking hospital quality”, R&R.
- (with S. Fontana; C. Guccio; D. Lisi; M.F. Martorana; G. Pignataro, D. Romeo). Measuring hospital care resilience: a systematic literature review, submitted.
- (with P.L. Ferrara, M.F. Martorana, I. Rizzo). Cultural heritage restoration and visitors' experience evaluation. Evidence from an Italian UNESCO site", submitted.

## **SEMINARS AND CONFERENCES (selection)**

- 18-21/05/2024 - ACEI China Academic Forum and 4th China-Spain Seminar on Cultural Economy and Policy Research, Xi'an (China). Presentation: “For a few dollars more: learning from museums’ application to Cohesion funding programs! (with M.F. Martorana and I. Rizzo).
- 14-15/09/2023 - XXXV SIEP (Italian Public Economics Association) National Conference - Verona. Presentation "Do all road lead to Rome? Exploring the reliability and consistency of outcome-based indicators for ranking the quality of Italian hospitals" (with D. Lisi, M.F. Martorana).
- 15-16/09/2022 - XXXIV SIEP (Italian Public Economics Association) National Conference - L'Aquila (AQ). Presentation: "Benchmarking the performance of Italian public works contracts: Can we go beyond cost overruns and time delays?" (with C. Guccio, M.F. Martorana, G. Pignataro I. Rizzo).
- 8-10/09/2022 – EWACE - Tenth European Workshop on Applied Cultural Economics, Turin. Presentation: "Cultural heritage restoration and visitors' experience evaluation. Evidence from an Italian UNESCO site" (wit P.L. Ferrara, M.F. Martorana, I. Rizzo).
- 4-6/08/2016 – 7th International Public Procurement Conference (IPPC), Bali (Indonesia). Presentation: “Does Corruption Affect the Execution of Health Infrastructures? An Empirical Investigation” (with C. Guccio e I. Rizzo).
- 24-25/09/2015- Società Italiana di Economia Pubblica (SIEP) - XXV Riunione Scientifica Annuale, Ferrara. Presentation: “Does fiscal decentralization improve health outcomes? Evidence from infant mortality in Italy” (with L. Ferrara).
- 4-5/09/2015 - JAIT 2015, VII Italian-Japanese International Workshop on "Political economics on the market, non-market, and collective activity", Kyoto Sangyo University - Japan. Relazione "Does fiscal decentralization improve health outcomes? Evidence from infant mortality in Italy" (with L. Ferrante).
- 24/04/2014 - FP7 INTERQUALITY Project Final Conference - Committee of the Regions, Brussels (Belgium). Presentation: "Hospital care – InterQuality recommendations on financing models".
- 7-8/03/2014 - JAIT 2014, VI Italian/Japanese International Workshop (JAIT). Presentation: "Financial Incentives and Inappropriateness in Healthcare: Evidence from Italian Cesarean Sections" (con C. Guccio, D. Lisi, G. Pignataro).

- 26-27/09/2013 - XXV SIEP (Italian Public Economics Association) National Conference, Pavia. Presentation: "Effects of tariff differentials on cesarean sections in Italy" (with C. Guccio, D. Lisi and G. Pignataro).
- 15-16/11/2012 – AIES (Associazione Italiana di Economia Sanitaria) National Conference, Rome. Presentation: "Reimbursement systems and quality of hospital care: an empirical analysis for Italy" (with L. Gitto and C. Guccio).
- 24-25/09/2012 XXIV SIEP (Italian Public Economics Association) National Conference, Pavia. Presentation: "Reimbursement systems and quality of hospital care: an empirical analysis for Italy" (with L. Gitto and C. Guccio).
- 18-21/07/2012 - ECHE- European Conference on Health Economics (Zürich, Switzerland) – presentation: "Quality of hospital care in Italy: a preliminary empirical analysis using qualitative indicators"(with L. Gitto and C. Guccio).
- 18-20/07/2011 - ECINEQ - Fourth Meeting of the Society for the Study of Economic Inequality (Catania, Italy) – presentation: "Geographical Patterns of Unmet Health Care Needs in Italy".
- 7-10/07/2010 - IHEA - International Health Economics Association - 8th European Conference on Health Economics (Helsinki, Finland) – Presentation: "Measuring the Performance of Regional Health Care Systems: A DEA Bootstrap Application" (with C. Guccio) and "Federalism, Party Competition and Budget Outcome: Empirical Findings on Regional Health Expenditure in Italy"(with E. Giardina, C. Guccio and I. Mazza).
- 9-12/06/2010 - ACEI - Association for Cultural Economics International -16th International Conference on Cultural Economics (Copenhagen, Denmark) - Presentation: "Determinants of Donations to Culture in Italy: A Regional Analysis" (with A. Mignosa).
- 24-25/09/2009 - XXI SIEP (Italian Public Economics Association) National Conference, Pavia. Presentation: “Federalism, party competition and budget outcome: Empirical findings on regional health expenditure in Italy” (with E. Giardina, C. Guccio and I. Mazza).
- 13-16/08/2009 - Institute of Public Finance (IIPF) – 65° Annual Conference (Cape Town, South Africa). Presentation: “Federalism, party competition and budget outcome: Empirical findings on regional health expenditure in Italy” (with E. Giardina, C. Guccio and I. Mazza).
- 9-10/10/2008 - AIES (Associazione Italiana di Economia Sanitaria) National Conference “I primi 30 anni del servizio sanitario nazionale e il contributo dell'economia sanitaria” (Matera). Presentation: “Finanziare la missione degli ospedali di insegnamento: l’esperienza di alcuni paesi OECD” (with C. Guccio).
- 11/03/2008 - Workshop “Discutendo di Economia con i colleghi dell’Università Mediterranea” (Department of Political Science, University of Pavia). Presentation: “La spesa sanitaria in Italia: un’analisi regionale sulla composizione pubblico-privato” (with C. Guccio).
- 16-17/11/2006 - AIES (Italian Health Economics Association) National Conference “Sviluppo e sostenibilità dei sistemi sanitari: dinamiche demografiche e ambientali” (Venezia). Presentation: “Health expenditure in Italy: a regional analysis of the public-private mix” (with C. Guccio).

- 14-15/09/2006 - XVIII SIEP (Italian Public Economics Association) National Conference, Pavia. Presentation: “Health expenditure in Italy: a regional analysis of the public-private mix” (with C. Guccio).
- 9-12/07/2006 - European Health Economics Association, VI European Conference on Health Economics (ECHE) (Budapest). Presentation: “The determinants of regional health expenditure in a decentralized system” (with C. Guccio).
- 6-9/07/2006 - Association for Cultural Economics International (ACEI), XIV Annual Conference, Wien. Presentation: “The role of public indirect support for culture in Italy” (with A. Mignosa).
- 4-5/11/2004 - AIES (Italian Health Economics Association) National Conference “I livelli di governo della sanità: finanziamento, assetti istituzionali e management” (CERGAS, Università Bocconi di Milano), Presentation: “La misurazione dell’impatto della didattica e della ricerca sull’attività assistenziale attraverso la valutazione dei medici” (with C. Guccio).
- 7-8/10/2004 - XVI SIEP (Italian Public Economics Association) National Conference, Pavia. Presentation: “La misurazione dell’impatto della didattica e della ricerca sull’attività assistenziale attraverso la valutazione dei medici” (with C. Guccio).
- 8-11/09/2004 - European Health Economics Association, V European Conference on Health Economics (ECHE) (London School of Economics, London). Presentation: “The Influence of Teaching and Research on Patients’ Care: A Physician Survey Approach” (with C. Guccio).
- 30-31/10/2003 – AIES (Italian Health Economics Association) National Conference “L’innovazione tecnologica in sanità. Problemi di valutazione, finanziamento e management” (University of Rome Tor Vergata). Presentation: “The Role of Reputation on GP’s Decisions under Different Contractual Arrangements”.
- 3-4/10/2003 - XV SIEP (Italian Public Economics Association) National Conference, Pavia. Presentation: “The Role of Reputation on GP’s Decisions under Different Contractual Arrangements”.

## **PARTICIPATION IN RESEARCH PROJECTS**

- 21/05/2024 - PRIN 2022 PNRR “Institutional systems and hospital performance: the Italian NHS as a natural laboratory, codice progetto P2022XLL94, principal investigator: prof. D. Lisi.
- 1/1/2024- FLASH- Flexible Approaches to Support Health through financing, HORIZON EUROPE - Grant Agreement n. 101095424, CUP E63C22002360006.
- 2018-2022 – “AGM for CuHe – Materiali di nuova generazione per il restauro dei Beni Culturali: nuovo approccio alla fruizione”, project financed by the PON Ricerca e Innovazione 2014-2020, Asse II “Progetti tematici”, azione “Cluster”, principal investigator: prof. G. Barone.
- 2010 - "InterQuality - International research on financing quality in healthcare", international research project funded under the European Union's Seventh Framework Programme.

- 2008 - “Governo della domanda e incentivi al finanziamento dell’offerta in un sistema sanitario a finanziamento pubblico”, research project of national interest admitted to co-financing under the PRIN 2007, national coordinator: prof. R. Levaggi.
- 2008 - “Analisi teorica e verifica empirica delle attività di ricerca delle rendite in diversi ambiti d'intervento pubblico”, research project funded by the University of Catania, coordinator: prof. I. Mazza.
- 2007 - “Analisi dello scenario competitivo e di regolazione del sistema di distribuzione finale dei farmaci in Italia e nei contesti regionali”, research commissioned by Federfarma of Catania.research
- 2003 - “Analisi dell’efficienza e della qualità dei servizi sanitari e assistenziali erogati nel territorio del Comune di Caltagirone”, commissioned by the municipality of Caltagirone.
- 2002-2004 - “Valutazione dell’attività clinica delle facoltà di medicina e chirurgia e sperimentazione di modelli di finanziamento”, research project funded by the Italian Ministry of Health (ex art. 12, comma 2, lett. B) Legislative Decree 502/92), call 2000.
- 2001 - “La qualità delle strutture ospedaliere come percepita dai medici”, research commissioned by the Association of Surgeons and Dentists of the province of Catania.

## **TEACHING ACTIVITY**

Lecturer of:

- Public Policy Evaluation (2021/22, 2022/23, 2023/24), Master Degree in Economics and Management of Territory and Tourism.
- Public Finance (2019/20, 2020/21, 2021/22, 2022/23, 2023/24), Bachelor Degree in Business Administration.
- Public Finance (2015/16, 2016/17, 2017/18), Master Degree in Science of Public Administration.
- Health Economics (2019/20, 2020/21), Master Degree in Economics and Management of Territory and Tourism.
- Economics and Market Regulation (2011/12, 2012/13, 2013/14, 2014/15, 2015/16, 2016/17, 2017/18, 2019/20), Master Degree in Business Management
- Public Finance (2008/09, 2009/10, 2010/11, 2011/12), Bachelor Degree in Economics.
- Industrial Organization (2009/10, 2010/2011), Bachelor Degree in Business Administration.
- Public Policy Politiche Pubbliche (2006/07, 2007/08, 2008/09), Master Degree in Economics and Public Administration.
- Planning and Finance of Public Authorities (2007/08), Master Degree in Economics and Public Administration.
- Industrial Organization (2005/06), Bachelor Degree in Economics.
- International Organization (2004/05, 2005/06), Bachelor Degree in Economics.

## **MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS**

- SIEP (Italian Public Economics Association);
- AIES (Italian Health Economics Association);
- ACEI (Association for Cultural Economics International)



## **REFEREE ACTIVITY**

Health Economics, Health Policy, Social Science and Medicine, Transport Policy, Journal of Economic Behavior and Organization, Politiche Sanitarie; BMC Health Services Research; International Journal of Health Economics and Management; Journal of Public Procurement.

Catania, July, 20th 2024

A handwritten signature in black ink, reading "Marina Cavalieri". The signature is written in a cursive style with a distinct flourish at the end.

(Marina Cavalieri)