

Curriculum Vitae

Personal details

Name: Paolo Pertile
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Current Position

Professor of Public Economics, Department of Economics,
University of Verona.

Education

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| 2003-2007 | Ph.D; Catholic University (Milan, Italy) "Graduate School in the Economics and Finance of Public Administration" |
| 2003 | University of York (UK). MSc. in "Public Economics". |
| 1997-2001 | Bachelor in "Economics and Business" (<i>summa cum laude</i>). University of Verona (Italy). |

Other courses attended:

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| 2017-2018 | <i>English as a medium of instruction</i> , Cambridge Assessment English (online). |
| 03-2010 | IRVAPP Spring School: "Fundamentals and Methods for impact Evaluation of Public Policies". Trento 1-6 March. |
| 2005 | International Phd Programme in Health Economics; the Network of Swiss Universities; courses attended: "Econometrics for Health Economics", "Applied Econometrics for Health Economics", "Applied Welfare Analysis". |

Research

Research interests:

Economic implications of health care regulation (payment rules, competition), pharmaceutical regulation and innovation, economic evaluation of health care interventions (methodology and applications), economic implications of public sector intervention over the life-cycle.

Publications in peer-reviewed journals:

"A stepped-wedge randomised controlled trial to assess efficacy and cost-effectiveness of a care-bundle to prevent falls in older hospitalised patients"; *Age and Ageing*; 2024; (with G. Di Gennaro, L. Chamitava, E. Ambrosi, D. Mosci, A. Fila, M. Assefa Alemayohu, L. Cazzoletti, S. Tardivo, M. E. Zanolin)

"R&D and market size: who benefits from orphan drug legislation?"; *Journal of Health Economics*; 2021; vol 80 (with S. Gamba and L. Magazzini).

"Cost-effective clinical trial design: Application of a Bayesian sequential model to the ProFHER pragmatic trial"; *Clinical Trials*; 2021; (with M. Forster, S. Brealey, S. Chick, A. Keding, B. Corbacho, A. Alban, A. Rangan).

"A reply to "Who would benefit from average value-based pricing?"; *Health Economics*; 2021; vol 30 (9), pp. 2284-2286 (with R. Levaggi).

"The impact of Managed Entry Agreements on pharmaceutical prices"; *Health Economics*; 2020; vol 29 S1, pp. 47-62 (with S. Gamba e S. Vogler).

"Which valued-based price when patients are heterogeneous"; *Health Economics*; 2020; vol 29, pp. 923-935. (with R. Levaggi).

"Value-Based Pricing Alternatives for Personalised Drugs: Implications of Asymmetric Information and Competition"; *Applied Health Economics and Health Policy*; 2020; vol 18, pp. 357-362. (with R. Levaggi).

"Job Sick Leave: Detecting Opportunistic Behavior"; *Health Economics*; 2019; vol 28 (3), pp. 373-386 (con C.A Biscardo e A. Bucciol).

"A Bayesian Decision-Theoretic Model of Sequential Experimentation with Delayed Response"; *Journal of the Royal Statistical Society Series B*; 2017; vol 79 (5), pp. 1439-1462 (with S. Chick and M. Forster).

"The dynamics of pharmaceutical regulation and R&D investments" *Journal of Public Economic Theory*; 2017; vol 19 (1), pp. 121-141, (with R. Levaggi and M. Moretto).

"A Large Scale OLG Model for the Analysis of the Redistributive Effects of Policy Reforms"; *European Journal of Political Economy*; 2017; vol 48 (C), pp. 104-127 (with A. Bucciol, L. Cavalli, I. Fedotenkov, V. Polin, N.Sartor, A. Sommacal).

"Late-Stage Pharmaceutical R&D and Pricing Policies under Two-Stage Regulation"; *Journal of Health Economics*; 2016; vol 50, pp. 298-311 (with S. Jobjornsson, M. Forster, C.-F. Burman)

"Redistribution at the Local Level: The Case of Public Childcare in Italy"; *International Review of Economics*; 2016; vol 63 (4), pp. 359-378 (with A. Bucciol, L. Cavalli, V. Polin, A. Sommacal)

"Is chest x-ray screening for lung cancer in smokers cost-effective? Evidence from a population-based study in Italy" *Cost Effectiveness and Resource Allocation*; 2015, vol. 13, pp. 1-12 (with A. Poli, L. Dominioni, N. Rotolo, E. Nardecchia, M. Castiglioni, M. Paolucci, W. Mantovani, A. Imperatori).

"The fiscal disadvantage of young Italians: a new view on consolidation and fairness." *The Journal of Economic Inequality*; 2015, vol. 13 (1), pp. 27-51 (with V. Polin, P. Rizza and M. Romanelli).

"Optimal Bayesian sequential sampling rules for the economic evaluation of health technologies." *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 2014; vol 177 (2), pp. 419-438 (with Martin Forster, and Davide La Torre)

"Two-part payments for the reimbursement of investments in health technologies", *Health Policy*, 2014; vol. 115 (2), pp. 230-236 (with R. Levaggi e M. Moretto).

"Optimal Decision Rules for HTA Under Uncertainty: a Wider, Dynamic Perspective", *Health Economics*, 2013; vol. 22, issue 12, pp. 1507-1514 (with M. Forster).

"Static and dynamic efficiency of irreversible health care investments under alternative payment rules"; *Journal of Health Economics*, 2012, vol. 31, n. 1, pp. 169-179 (with R. Levaggi and M. Moretto).

"An extension of the real option approach to the evaluation of health care technologies: the case of Positron Emission Tomography"; *International Journal of Health Care Finance and Economics*, 2009, vol. 9, pp. 317-332.

"The timing of adoption of Positron Emission Tomography: a real option approach"; *Health Care Management Science*, ; 2009, vol. 12 , n. 3, pp. 217-227 (with E. Torri, L. Flor and S. Tardivo).

"Investment in health care technologies in a competitive model with real options"; 2008, *Journal of Public Economic Theory*, 10 (5), 923-952.

"Technology adoption, quality and health care costs: a review of the literature" in *Studi Economici*, 2006, 90.

Book chapters:

"Investimenti pubblici, risorse scarse: il ruolo dei diversi metodi di supporto alle decisioni". In "Efficienza e sostenibilità dell'intervento pubblico: scritti in onore di Nicola Sartor" (eds.) L. Greco, P. Pertile, C. Zoli, Il Mulino, 2022 (with G. Cisco).

"Valutare l'efficienza dei servizi ospedalieri in Italia: il caso delle aziende ospedaliero-universitarie". In "Efficienza e sostenibilità dell'intervento

pubblico: scritti in onore di Nicola Sartor" (eds.) L. Greco, P. Pertile, C. Zoli, Il Mulino, 2022 (with B. Bonvento, D. Crotti, V. Rebba, A. Zago).

"Drug Prices and Incentives to Innovation by the Pharmaceutical Industry." *Pharmaceutical Prices in the 21st Century*. Springer International Publishing, 2015. 389-401 (with R. Levaggi).

"L'equità intergenerazionale delle politiche di bilancio" in "Generazioni disuguali" A. Schizzerotto, U. Trivellato, N. Sartor (eds.) Il Mulino, 2011 (with V. Polin, P. Rizza, M. Romanelli).

Books edited:

"Efficienza e sostenibilità dell'intervento pubblico: scritti in onore di Nicola Sartor", il Mulino, 2022 (with L. Greco e C. Zoli).

Other:

"Improving public access to medicines and promoting pharmaceutical innovation". European Parliament Study: Panel for Future of Science and Technology, STOA; 2023. Available at: [https://www.europarl.europa.eu/thinktank/en/document/EPRS_STU\(2023\)753166](https://www.europarl.europa.eu/thinktank/en/document/EPRS_STU(2023)753166) (with S. Gamba e L. Magazzini)

Working papers:

"Dynamic, incentive-compatible contracting for health services", Fondazione Enrico Mattei (FEEM) working paper n. 016.2023 (with R. Levaggi and M. Moretto)

"Spillovers of Pharmaceutical Price Regulations: evidence from the AMNOG Reform in Germany", Health Econometrics and Data Group, The university of York, WP 22/20.

"R&D and market size: who benefits from orphan drug regulation?", WorkingPapers, University of Verona, Department of Economics; 2019; n. 09 (with S. Gamba e L. Magazzini).

"Free-Riding in Pharmaceutical Price Regulation: Theory and Evidence", Discussion Papers in Economics, University of York; 2018; n. 04 (with S. Gamba e M. Forster).

"Pricing policies when patients are heterogeneous: a welfare analysis", N. 17/2016, Working Papers, University of Verona, Department of Economics, 2016 (with R. Levaggi).

"Late-Stage Pharmaceutical R&D and Pricing Policies under Two-Stage Regulation", Discussion Papers, Department of Economics, University of York, 2015 (with S. Jobjornsson, M. Forster, and CF Burman)

"A Bayesian Decision-Theoretic Model of Sequential Experimentation with Delayed Response"; No. 15-09. Discussion Papers, University of York, Department of Economics, 2015 (with S. Chick and M. Forster).

"Who should monitor job sick leave?". N. 18/2015. Working Papers, University of Verona, Department of Economics, 2015 (with C.A. Biscardo and A. Buccioli).

"A large scale OLG model for France, Italy and Sweden: assessing the interpersonal and intrapersonal redistributive effects of public policies", No. 7/2014. Working Papers, University of Verona, Department of Economics, 2014 (with A. Buccioli, L. Cavalli, I. Fedotenkov, V. Polin, A. Sommacal)

"DRGs: the link between investment in technologies and appropriateness", No 31/2012, Working Papers, University of Verona, Department of Economics (with R. Levaggi and M. Moretto)

"Dynamic, economic approaches to HTA under uncertainty", No 03/2011, Working Papers, University of Verona, Department of Economics (with M. Forster)

"Optimal sequential sampling rules for the economic evaluation of health technologies", Discussion Papers, Department of Economics, University of York, 2010 (with M. Forster, D. La Torre)

"Static and dynamic efficiency of irreversible health care investments under alternative payment rules"; *Working paper 2010.130 Fondazione Enrico Mattei* (with R. Levaggi e M. Moretto).

"Corporate taxation and cross-country competition". Available at: <http://ssrn.com/abstract=1008257>

Participation in funded research projects:

2023-2026	European Commission, Horizon Europe: FLASH ("Flexible Approaches to Support Health through Financing"). Grant n. 101095424. Role: Principal Investigator of the Consortium, including 18 institutions from 9 countries.
2023-	Member of the Synergies Working Group of the ERA4Health Partnership (co-funded by the European Commission).
2019-	National Institute of Health Research (UK): "Value-based Adaptive Clinical Trial Designs for Efficient Delivery of NIHR research". Role: participant.
2017-2019	"Bando di Ateneo per la Ricerca di Base" (University of Verona): "Efficient and Equitable Regulation for health care Innovation: theory and evidence". Role: principal investigator.
2017-2019-	University of Verona: "Evaluating costs and performance of Italian University Hospitals: the impact of research and teaching activities". Role: principal investigator.
2013-2016	VII Framework Programme; Programme for research, technological development and demonstration; Grant Agreement no 602552: "Integrated design and analysis of

small population group trials" (IDEAL). Role: member of the External Advisory Board.

- 2008- FIRB (Italian Ministry of Education): "Family formation, life patterns and public policies: new schemes for the investigation of redistributive impacts and risk protection". Role: participant.
- 2007 PRIN (Italian Ministry of Education): "Market regulation, health care expenditure growth and funding". Role: participant.

Referee for the following journals:

"Journal of Health Economics", "Journal of the Royal Statistical Society: series B", "Journal of Economic Behavior and Organization", Journal of Economics & Management Strategy", "Journal of Economics", "Journal of Economic Psychology", Operational Research", "Health Policy", "International Journal of Health Economics and Management", "European Journal of Health Economics", "Value in Health", "Health Care Management Science", "Economics Bulletin", "Applied Health Economics and Health Policy", "Health Care Services Research", "Social Justice Research", "Economia Politica", "Economia Pubblica", "Politiche Sanitarie".

Member of Editorial board: "Pharmacoeconomics – open"

Member of the Scientific Committee of the webinar series of the European Health Economics Association (2021-2022 and 2022-2023)

Presentations at conferences and seminars (last 5 years):

- 5/6-12-2023 27th AIES (Italian Health Economics Association) Annual Meeting. Roma.
- 11/12-05-2023 22nd European Health Economics Workshop, Augsburg.
- 15/16-09-2022 XXXIV Riunione Scientifica della Società Italiana di Economia Pubblica. L'Aquila.
- 5/8-07-2022 EUHEA (European Health Economics Association) Conference, Oslo.
- 2/3-12-2022 26^o AIES (Italian Health Economics Association) Annual Meeting. Milano, Università Bocconi.
- 13/14-09-2019 1st APHEC workshop "Sustaining innovation, containing costs and providing equity in health care, Genova.
- 13/14-06-2019 18^o Journées Gérard-Varet international conference on Public Economics. Aix-en-Provence.
- 15/16-02-2019 X meeting of the Network on the Economics of Regulation and Institutions (NERI). Roma.
- 25/27-10-2018 59th annual conference "Scientifica Annuale della Società Italiana degli Economisti". Bologna.
- 11/14-07-2018 12a European Conference on Health Economics, Maastricht. 28/29-06-2018 American-European Health

Economics Study Group. Harvard University. Boston (MA).05/06-10-201722nd AIES (Italian Health Economics Association) Annual Meeting. Pavia.

Other invited seminar presentations held at the universities of Lyon (GATE), Hamburg, Göttingen, Milan (Catholic University), Padova, Verona and Brescia.

Previous experience:

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| 08/2008-01/2009 | Post-Doc, University of Bologna, Department of Economics. Research project: "Health Economics: contracts, procurement and innovation". |
| 2007 | Post-doc; University of Verona. Department of Law and Economics. Research project: <i>Economic evaluation and regulation of investments in health care technologies</i> . |

Teaching:

Regular courses taught (last 5 years):

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| 2023-2024 | Health Economics (CdLM, coordinator), Project Appraisal (CdLM, coordinator), Valutazione Economica di Progetti e Decisioni di Investimento (CdL, coordinator), Health Economics (PhD, coordinator) |
| 2022-2023 | Health Economics (M.Sc., coordinator), Project Appraisal (M.Sc., coordinator), Project evaluation and investment decisions (BA., coordinator) |
| 2021-2022 | Health Economics (M.Sc., coordinator), Project Appraisal (M.Sc., coordinator), Economic evaluation of innovative and sustainable projects (M.A., coordinator) |
| 2020-2021 | Health and Environmental Economics (M.Sc., coordinator), Project Financing and Evaluation (M.Sc.), Public Economics (BA., coordinator) |
| 2019-2020 | Health and Environmental Economics (M.Sc., coordinator), Project Financing and Evaluation (M.Sc.), Public Economics (BA., coordinator) |
| 2018-2019 | Health and Environmental Economics (M.Sc., coordinator), Project Financing and Evaluation (M.Sc.), Public Economics (BA., coordinator) |

Other teaching activities (last 5 years):

2017-2023	Summer school in "Applied Health Econometrics and Health Policy". University of Bergamo.
2011-2020	Master in Economia e Management della Sanità (E.Ma.S); Università Ca' Foscari Venezia. Module taught: "Health economics: the supply side".

Public Engagement:

2017- present	Member of the "Diabetes Technical Board" – Veneto Region.
2014-present	Member of "Innovative Cancer Drugs Group" of the Veneto Cancer Network (Rete Oncologica Veneta)
2012-2015	Member of the technical committee of Veneto Region for decisions on the pharmaceutical reimbursement.
11-2001/02-2002	Italian Embassy in Bratislava (Slovak Republic). Field of employment: economic relationships and European Union programmes towards countries candidate to membership.

Grants/awards

2015	William Pierskalla Runner-up Award for the paper "A Bayesian Decision-Theoretic Model of Sequential Experimentation with Delayed Response" (with S. Chick and M. Forster) of The Health Applications Society, Philadelphia.
2007	AIES (Italian Health Economics Association) "Young researchers" prize. Paper: "An extension of the real option approach to the evaluation of health care technologies: the case of Positron Emission Tomography".
2003-2006	Doctoral Scholarship; "Graduate School in the Economics and Finance of Public Administration"; Milan.
2002	Zanotto Foundation scholarship to attend the M.Sc. in Public Economics at the University of York,
2001	Best graduation thesis on Public Finance of the year (University of Verona)
2001	Best student (University of Verona; BA in Economics and Business).

17-02-2024