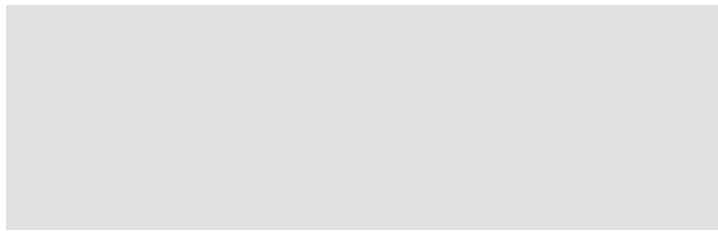


Riccardo VECCHIO MD, DrPH, PhD student



CURRENT POSITION

2023 - Ongoing **UNIVERSITY OF PAVIA** - Pavia (Italy)
National PhD Programme in One Health approaches to infectious diseases and lifescience research
PhD Student

EDUCATION AND INTERNATIONAL RESEARCH

2025 - Ongoing **SDA BOCCONI SCHOOL OF MANAGEMENT** - Milan (Italy)
MiMS – Master in Management Sanitario
SDA Boconi scholarship

2021 - 2025 **UNIVERSITY OF PAVIA** - Pavia (Italy)
School of Specialization in Hygiene and Preventive Medicine
DrPH candidate

2019 **VITA-SALUTE SAN RAFFAELE UNIVERSITY** - Milan (Italy)
Degree in medicine - MD
Honors distinction: 110/110 cum laude

2018 **WOAH - World Organisation for Animal Health (then OIE)** - Paris (France)
Science department
Role: research collaborator

PROFESSIONAL EXPERIENCE

2024 - 2025 **FONDAZIONE IRCCS POLICLINICO SAN MATTEO** - Pavia (Italy)
Medical Health Directorate
Public Health physician

2023-2024 **ISS – ITALIAN NATIONAL INSTITUTE OF HEALTH** - Rome (Italy)
Department of Infectious Diseases
Infectious diseases surveillance and response

2023 **HEALTH PROTECTION AGENCY (ATS)** - Pavia (Italy)
Community preventive medicine
Oncological screening and infectious diseases surveillance and control

2022 **DIRECTORATE GENERAL WELFARE, LOMBARDY Region** - Milan (Italy)
Prevention Unit
Oncological screening, infectious diseases surveillance and control, vaccination strategies

2021 **IRCCS POLICLINICO SAN DONATO – GSD Group** - Milan (Italy)
Medical Health Directorate
Public Health physician

BOARDS, RESEARCH GROUPS
AND AWARDED PROJECTS

2024 – Ongoing	PROGRAMMA DI AZIONE REGIONALE DI INCENTIVAZIONE DELLA PROMOZIONE DELLA SALUTE (PARI) Directorate General Welfare Lombardy Region, Task Force Role: Participant
2024 – Ongoing	IMPACT OF PNEUMOCOCCAL VACCINE UPTAKE ON HOSPITAL ANTIMICROBIAL CONSUMPTION Funded by MSD Role: Lead coordinator
2024 – Ongoing	INTEGRATED DENGUE SURVEILLANCE SYSTEM: ONE HEALTH APPROACH IN LOMBARDY Funded by Fondazione INF-ACT Role: Participant
2024 – Ongoing	PRESID-IA: PREdicting and preventing Surgical site Infections with Data-driven Intelligent Algorithms Current research project funded by Fondazione IRCCS Policlinico San Matteo on Artificial Intelligence Role: Participant
2024 – Ongoing	PRO-BEN: promotion of psychophysical wellbeing in the student population Funded by Italian Ministry for Universities and Research (MUR) Role: Participant
2023 – Ongoing	VACCINAZIONI PAZIENTI FRAGILI, UN'OPPORTUNITÀ DI SALUTE Fondazione The Bridge, Directorate General Welfare Lombardy Region, University of Pavia Role: Participant
2023 – Ongoing	EUROPEAN COMMISSION - EU4 Health Programme (EU4H) Vax-Action: tackling effectively vaccine hesitancy in Europe Role: Participant
2023 – Ongoing	MINISTRY OF UNIVERSITY AND RESEARCH - PRIN “Leo&Giulia talking to kids about smoking: a digital health education school-based cluster-randomized controlled trial to promote health and prevention in children” Role: Participant
2022 – Ongoing	MINISTRY OF UNIVERSITY AND RESEARCH. National Recovery and Resilience Plan, Enlarged Partnerships One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases (INF-ACT) Role: Epidemiology, monitoring and modelling Node participant
2021 - Ongoing	ITALIAN MINISTRY OF HEALTH Experts' Team for the Monitoring and evaluation of the 2021 - 2023 National Influenza Pandemic Preparedness Plan Role: Participant
2021 - Ongoing	MINISTRY OF UNIVERSITY AND RESEARCH. SPECIAL SUPPLEMENTARY FUND FOR RESEARCH (FISR) COVID-19: the pandemic seen through children's eyes. A health education and communication project targeting children - Leo & Giulia Role: Participant
2021 - Ongoing	EUROPEAN CENTRE FOR DISEASE PREVENTION AND CONTROL (ECDC) Training in the area of vaccination and vaccine hesitancy for primary healthcare professionals Role: Participant

INSTITUTIONAL ACTIVITIES

2024 – Ongoing	ACADEMIC SENATE - Pavia (Italy) University of Pavia PhD Student Representative (Elected)
2024 – Ongoing	RESEARCH COMMISSION - Pavia (Italy) University of Pavia PhD Student Representative (Nominated)
2016-2018	Regional Committee for University Right to Education, LOMBARDY Region - Milan (Italy) Vita-Salute San Raffaele University Student Representative (Nominated)
2016-2018	FACULTY OF MEDICINE - Milan (Italy) Vita-Salute San Raffaele University Student Representative (Elected)

SCHOLARSHIPS

2024 – Ongoing
GHISLIERI FOUNDATION - Pavia (Italy)
Collegio Ca' della Paglia
CRDU Residential Scholarship

TEACHING ACTIVITIES

2024
PUBLIC HEALTH AND COLLECTIVE WELL-BEING: DETERMINANTS, PERSPECTIVES, AND GLOBAL CHALLENGES
Istituto Universitario di Studi Superiori (IUSS) - Pavia (Italy)
Co-teaching

2022
MEDICINE AND SURGERY
University of Pavia - Pavia (Italy)
Co-teaching

OTHER PROFESSIONAL EXPERIENCES

2021
VACCINARSi
Medical and Scientific blog – Under the Patronage of Italian Ministry of Health
Editorial board and author

2016 - 2019
COMMUNICATION OFFICE
Vita-Salute San Raffaele University
Part-time on-campus job

LANGUAGE SKILLS

Mother tongue	Italian				
Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	English	C1	C1	C1	C1
	French	C1	C1	C1	C1

SCIENTIFIC PUBLICATIONS' OVERVIEW*

(Update: 26.02.2025)

Vigezzi GP, Vecchio R, Barbati C, Bonazza G, Mazzarello P, Odone A. **Historical analysis of the first smallpox vaccination campaigns in early 19-century northern Italy: organisation and communication insights for contemporary epidemics' prevention and control.** Vaccine. 2025 Mar 7;49:126764. doi: 10.1016/j.vaccine.2025.126764. Epub 2025 Jan 30. PMID: 39889535.

Deandrea S, Mantellini P, Rossi PG, Vecchio R, Capobussi M, Rosselli Del Turco M, Pietribiasi F, Bucchi L, Senore C, Sardanelli F, Battisti F, Giordano L, Paci E, Parmelli E, Saguatti G, Zappa M; **Italian mammography screening, diagnosis guidelines Technical/Scientific Committee, Panel, Reviewers. Italian guidelines for age range and test interval in breast cancer screening programmes: GRADE-ADOLOPMENT of the European guidelines.** Radiol Med. 2024 Dec;129(12):1778-1789. doi: 10.1007/s11547-024-01900-0. Epub 2024 Oct 26. PMID: 39460891.

Odone A, Vecchio R, Brogonzoli L, Sala E, Vigezzi GP, Muzzi A, Borriello CR, Cereda D, Rizzardini G, Venturi A, Iardino R. **Vaccination strategies for high-risk and fragile populations in Lombardy (Italy): a region-wide assessment of hospital-based models and best practices.** Ann Ig. 2024 Mar-Apr;36(2):215-226. doi: 10.7416/ai.2024.2607. Epub 2024 Jan 31. PMID: 38299733.

Piralla A, Mileto D, Rizzo A, Ferrari G, Giardina F, Gaiarsa S, Petazzoni G, Bianchi M, Salari F, Bracchitta F, Sammartino JC, Ferrari A, Gagliardi G, Mancon A, Fenizia C, Biasin M, Rovida F, Paolucci S, Percivalle E, Lombardi A, Micheli V, Nozza S, Castagna A, Moschese D, Antinori S, Gori A, Bonfanti P, Rossotti R, D'Arminio Monforte A, Attanasi F, Tirani M, Cereda D, Baldanti F, Gismondo MR; MPXV Lombardy Network. **Dynamics of viral DNA shedding and culture viral DNA positivity in different clinical samples collected during the 2022 mpox outbreak in Lombardy, Italy.** Travel Med Infect Dis. 2024 May-Jun;59:102698. doi: 10.1016/j.tmaid.2024.102698. Epub 2024 Mar 29. PMID: 38556220.

Djuric O, Deandrea S, Mantellini P, Sardanelli F, Venturelli F, Montemezzi S, Vecchio R, Bucchi L, Senore C, Giordano L, Paci E, Bonifacio A, Calabrese M, Caumo F, Degraffi F, Sassoli De' Bianchi P, Battisti F, Zappa M, Pattacini P, Campari C, Nitrosi A, Di Leo G, Frigerio A, Magni V, Fornasa F, Romanucci G, Falini P, Auzzi N, Armaroli P, Giorgi Rossi P; MAITA working group; Italian Breast Cancer Screening Guidelines working group. **Budget impact analysis of introducing digital breast tomosynthesis in breast cancer screening in Italy.** Radiol Med. 2024 Sep;129(9):1288-1302. doi: 10.1007/s11547-024-01850-7. Epub 2024 Aug 20. PMID: 39162938.

Djuric O, Deandrea S, Mantellini P, Sardanelli F, Venturelli F, Montemezzi S, Vecchio R, Bucchi L, Senore C, Giordano L, Paci E, Bonifacio A, Calabrese M, Caumo F, Degraffi F, Sassoli De' Bianchi P, Battisti F, Zappa M, Pattacini P, Campari C, Nitrosi A, Di Leo G, Frigerio A, Magni V, Fornasa F, Romanucci G, Falini P, Auzzi N, Armaroli P, Giorgi Rossi P; MAITA working group; Italian Breast Cancer Screening Guidelines working group. **Organizational impact of systemic implementation of digital breast tomosynthesis as a primary test for breast cancer screening in Italy.** Radiol Med. 2024 Aug;129(8):1156-1172. doi: 10.1007/s11547-024-01849-0. Epub 2024 Jul 23. PMID: 39042203.

Girardi D, Vecchio R, Tanious M, Cacitti S, Ancarani C, Dalle Carbonare S, Perotti P, Bonafede C, Cavallo R, Gentile L, Parrini A, Lucente EM, Carlesso A, Cadum E, Cecconami L, Odone A, Deandrea S. **Disparities in access to breast, colorectal, and cervical cancer screening programmes have intensified during the pandemic period. Findings of a health equity audit conducted by the Pavia Healthcare Protection Agency (Lombardy Region, Northern Italy).** Epidemiol Prev. 2024 Mar-Apr;48(2):130-139. English. doi: 10.19191/EP24.2.A672.040. PMID: 38770730.

Odone A, Sgueglia AC, Bertuccio P, Vecchio R, Meloni A, Gianfredi V, Traverso L, Gaeta M, Vigezzi GP. **"Leo&Giulia standing for public health": an animated series to promote the values of public health among school-aged children. Best practices and field-trial protocol.** Ann Ig. 2024 Mar-Apr;36(2):144-152. doi: 10.7416/ai.2024.2604. Epub 2024 Feb 1. PMID: 38303640.

Vecchio R, Gentile L, Tafuri S, Costantino C, Odone A. **Exploring future perspectives and pipeline progression in vaccine research and development.** Ann Ig. 2024 Jul-Aug;36(4):446-461. doi: 10.7416/ai.2024.2614. Epub 2024 Mar 1. PMID: 38436081.

Bertocchi L, Vecchio R, Sorbello S, Correale L, Gentile L, Buzzachera C, Gaeta M, Odone A. **Impact of the COVID-19 pandemic on physical activity among university students in Pavia, Northern Italy.** Acta Biomed. 2021 Dec 10;92(S6):e2021443. doi: 10.23750/abm.v92iS6.12232. PMID: 34889314; PMCID: PMC8851014.

OTHER PUBLICATIONS' OVERVIEW

(Update: 04.11.2024)

Igiene in odontoiatria – Edizione 2024. M.T. Montagna, P. Castiglia, G. Campus, C. Signorelli. Monduzzi Editoriale. Chapter 4 - Malattie infettive di interesse odontoiatrico

Co-author

L. Cecconami, R. Vecchio, S. Cacitti, P. Perotti, F. Manzoni, S. Dalle Carbonare, A. Parrini, R. Cavallo, C. Bonafede, R. Marchetti, E. Lucente, A. Carlesso, C. Ancarani, E. Cadum, A. Odone, S. Deandrea. Diseguaglianze di accesso ai programmi di screening mammografico e coloretale in provincia di pavia: analisi e azioni equity-oriented. Conferenza nazionale straordinaria di sanità pubblica, Cernobbio 2023

Oral communication

R. Vecchio. Efficacy of COVID-19 vaccination campaign in elderly people residing in long-term care facilities: a retrospective observational study from Lombardy region, Italy. World Congress on Public Health, Rome 2023

Oral communication

R. Vecchio. Public health actions implemented by the Lombardy Region to revamp cervical cancer prevention. World Congress on Public Health, Rome 2023

Oral communication

G.P. Vigezzi, R. Vecchio, P. Mazzarello, A. Odone. Lessons from the past: how 19th-century anti-smallpox efforts enlighten current pandemic control. 16th European Public Health Conference, Dublin 2023

Luca Viviani, Laura Pellegrinelli, Riccardo Vecchio, Laura Sandri, Sandro Binda, Elena Pariani, Anna Odone. Revisione sistematica della letteratura per lo sviluppo di un nuovo sistema di monitoraggio dei virus influenzali basato sulle acque reflue. Congresso SITI 2024, Palermo

Luca Viviani, Laura Pellegrinelli, Riccardo Vecchio, Laura Sandri, Sandro Binda, Elena Pariani, Anna Odone. Detection of influenza viruses in wastewater: a systematic literature review for method evaluation. Congresso SIM 2024, Pavia

L. Viviani, L. Pellegrinelli, R. Vecchio, L. Sandri, S. Binda, E. Pariani, A. Odone. Wastewater-based epidemiology of influenza viruses: a systematic review. 17th European Public Health Conference 2024, Lisbon

Riccardo Vecchio, Elizabeth Iskandar, Paola Bertuccio, Patrizia Cambieri, Alba Muzzi, Fausto Baldanti, Anna Odone. The impact of pneumococcal vaccine uptake on antimicrobial consumption and resistance: a study protocol and preliminary

results from IRCCS Fondazione Policlinico San Matteo. Congresso INF-ACT 2024, Pavia

Riccardo Vecchio, Chiara Barbati, Luca Viviani, Guglielmo Arzilli, Luigi De Angelis, Francesco Baglivo, Caterina Rizzo, Anna Odone. Strumenti di intelligenza artificiale per la diagnosi e il controllo delle infezioni correlate all'assistenza: una revisione sistematica. Congresso SITI 2024, Palermo

Chiara Barbati, Luca Viviani, Riccardo Vecchio, Guglielmo Arzilli, Luigi De Angelis, Francesco Baglivo, Caterina Rizzo, Anna Odone. How do Artificial Intelligence-based Systems perform in detecting Healthcare-Associated Infections? A systematic review. Congresso SIM 2024, Pavia

C Barbati, L Viviani, R Vecchio, G Arzilli, L De Angelis, F Baglivo, C Rizzo, A Odone. Unveiling the effectiveness of Artificial Intelligence-based tools in Healthcare - Associated Infection control: results from an updated systematic review. 17th European Public Health Conference 2024, Lisbon

SCIENTIFIC COMMUNICATION PROJECTS AND PUBLICATIONS

-
- 2022 Leo&Giulia – I vaccini. Progetto di divulgazione scientifica rivolto agli studenti delle scuole primarie. In collaborazione con: Università degli Studi di Pavia e Università Vita-Salute San Raffaele. Patrocinato da: Ministero della Salute, Istituto Superiore di Sanità. Available at: <https://www.youtube.com/watch?v=c5Bgo9Udql> (ITA); <https://www.youtube.com/watch?v=k4qAnlwuHU&t=40s> (ENG)
- 2021 COVID, sì di AIFA e Ministero della Salute alla dose “booster” con Spikevax (Moderna). VaccinarSi. [https://www.vaccinarsi.org/notizie/2021/11/covid-s%C3%AC-di-aifa-e-ministero-della-salute-alla-dose-%E2%80%9Cbooster%E2%80%9D-con-spikevax-\(moderna\)](https://www.vaccinarsi.org/notizie/2021/11/covid-s%C3%AC-di-aifa-e-ministero-della-salute-alla-dose-%E2%80%9Cbooster%E2%80%9D-con-spikevax-(moderna))
- 2021 Vaccino anti-COVID-19 con altri vaccini: intervallo temporale per la somministrazione. VaccinarSi. <https://www.vaccinarsi.org/scienza-conoscenza/combattere-le-pandemie/covid-19-rapporti-e-circolari/vaccino-anti-covid-19-con-altri-vaccini-intervallo-temporale-per-la-somministrazione>
- 2021 Precisazione ISS sui decessi correlati a COVID-19. VaccinarSi. <https://www.vaccinarsi.org/notizie/2021/10/precisazione-iss-sui-decessi-correlati-a-covid-19>
- 2021 Primi casi di influenza, attivato il sistema di sorveglianza dell'Istituto Superiore di Sanità. VaccinarSi. <https://www.vaccinarsi.org/notizie/2021/10/primi-casi-di-influenza.-attivato-il-sistema-di-sorveglianza-dellistituto-superiore-di-sanit%C3%A0>
- 2021 Varianti SARS-CoV-2: il primo rapporto dell'Istituto Superiore di Sanità. VaccinarSi. <https://www.vaccinarsi.org/notizie/2021/05/varianti-sars-cov-2-il-primo-rapporto-dellistituto-superiore-di-sanit%C3%A0>

INTENSIVE COURSES

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- 2024 Summer School on Soft Skills for Research. University of Pavia
- 2024 Advanced course on systematic reviews and meta-analysis: methods and practice. University of Pavia
- 2022 OHEJP (One Health European Joint Programme) SIMEX 2022 for having successfully participated in the conduction of the two-day OHEJP SimEx Outbreak Management Exercise
- 2021 Introduction to Pharmacoepidemiology, XXIX edition. Italian National Institute of Health (ISS)