

CURRICULUM VITAE



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Nationality	italiana
Birth place	Scandiano (Reggio Emilia)
Date of birth	01/02/1984

WORK EXPERIENCE

From September 2021 ongoing	Member of the Scientific Direction of the journal Epidemiology & Prevention
From October 2016 to October 2018	Member of the Secretariat of the Italian Association of Epidemiology (AIE) Coordination activities and activities related to the scientific and logistical organization of Conferences
From October 2011 ongoing	Università degli studi di Modena e Reggio – Facoltà di Medicina e Chirurgia Professioni Sanitarie della Riabilitazione – Classe L/SNT2 Lecturer of the medical statistics course
From the 2nd of February 2010	Azienda USL-IRCCS di Reggio Emilia – Servizio di Epidemiologia Via Amendola, 2 42122 Reggio Emilia Statistical administrative collaborator– Full time (36 hours per week) Management of healthcare databases, statistical analysis of data, design of epidemiological studies, writing of protocols and scientific articles. Main areas: maternal and infant health, environmental epidemiology. HTA activity.

MAIN ACTIVITIES

I deal with population based studies and epidemiological analyses based on census data and administrative health databases and I've experiences on projects at national and European level in the field of primary and secondary prevention, maternal and child health, health of migrants and health and environment. (CCM working group "Salute immigrati, 2010 – 2013"; OENES projects; the Italian Network of Longitudinal Metropolitan Studies - IN-LiMeS; the MONITER project- Monitoraggio degli Inceneritori nel territorio dell'Emilia-Romagna, the SuperSito project). I collaborated on the CoSIE project (Co-creation in Service Innovation in Europe - H2020 project) focused on the co-creation of public services for the inclusion of fragile populations, working on the prevention of overweight and childhood obesity and on the promotion of healthy lifestyle.

I am a member of the "EUNETHTA JA3" working group for the Emilia-Romagna Region, EUnetHTA collaborating center, European network of Health Technology Assessment, as per Executive Decision n. 9411 dated 19/06/2018.

From January 2020 I am a member of the Panel for the process of "Adoption and adaptation (adoption) of the European guidelines for the screening and diagnosis of breast cancer"

coordinated by the National Screening Observatory (ONS).

Currently I'm scientific responsible for the Local Health Authority-IRCCS of Reggio Emilia of the study "Cardio-metabolic diseases in immigrants and ethnic minorities: from epidemiology to new prevention strategies", funded project approved by the Ministry of Health (PNRR 2022) and coordinated by the Carreggi University Hospital, Florence.

EDUCATION AND TRAINING

2011/2012

Master's Degree in Epidemiology (University of Turin and ISI Foundation)

Thesis discussion: 09/01/2013

Epidemiology: design of epidemiological studies, execution of statistical analyses, evaluation of results

September 2006 - April 2009

University of Bologna - Faculty of Statistics

Main subjects: Methodological, social, health and demographic statistics

Degree in Statistical Sciences (Master's degree in statistical sciences, class 92/s statistics for experimental research).

Final thesis title: "Immigration emergencies. Analysis of the use of the Emergency Department by the immigrant population present in the province of Reggio Emilia in the years 2005, 2006, 2007" Final mark: 110/110 cum laude. Date of thesis discussion: 04/30/2009

September 2003 - July 2006

University of Bologna - Faculty of Political Sciences

Main subjects: Political sciences, Economics, Law, Statistics

Degree in Development and International Cooperation (degree in international development and cooperation, class 35 social sciences for cooperation, development and peace)

Final thesis title: "Immigration in the Netherlands. The challenges of Islam" Final mark: 110/110 cum laude. . Date of thesis discussion: 04/09/2006

PUBLICATIONS

1. Ottone, Marta et al. "The effect of diabetes on COVID-19 incidence and mortality: Differences between highly-developed-country and high-migratory-pressure-country populations." *Frontiers in public health* vol. 11 969143. 8 Mar. 2023, doi:10.3389/fpubh.2023.969143
2. Bonvicini L, Davoli AM, Ferrari E, Ilari B, Compiani M, Patrignani N, Bartolini L, Rossi PG, Childhood Obesity Prevention Working Group. Un'esperienza di mobile health nell'AUSL di Reggio Emilia: dalla co-creazione alla co-valutazione dell'app BeBa per la prevenzione dell'obesità infantile e la promozione di sani stili di vita nei bambini. *Boll Epidemiol Naz* 2022;3(1):1-9.
3. Djuric O, Larosa E, Cassinadri M, Cilloni S, Bisaccia E, Pepe D, Vicentini M, Venturelli F, Bonvicini L, Giorgi Rossi P, Pezzotti P, Mateo Urdiales A, Bedeschi E; Reggio Emilia Covid-19 Working Group. Surveillance, contact tracing and characteristics of SARS-CoV-2 transmission in educational settings in Northern Italy, September 2020 to April 2021. *PLoS One*. 2022 Oct 10;17(10):e0275667. doi: 10.1371/journal.pone.0275667. PMID: 36215304; PMCID: PMC9550042.
4. Bonvicini L., Pingani I., Venturelli F., Patrignani N., Bassi MC, Broccoli S., Ferrari F., Gallelli T., Panza C., Vicentini M., Giorgi Rossi P. *Effectiveness of mobile health interventions targeting parents to prevent and treat childhood Obesity: Systematic review* Preventive Medicine Reports 29 (2022) 101940 <https://doi.org/10.1016/j.pmedr.2022.101940>
5. Catellani C, Ravegnini G, Sartori C, Righi B, Lazzeroni P, Bonvicini L, Poluzzi S, Cirillo F, Predieri B, Iughetti L, Giorgi Rossi P, Angelini S and Street ME (2022) Specific miRNAs Change After 3 Months of GH treatment and Contribute to Explain the Growth Response After 12 Months. *Front. Endocrinol.* 13:896640. doi: 10.3389/fendo.2022.896640
6. Paolo Giorgi Rossi, Guglielmo Ronco, Pamela Mancuso, Francesca Carozzi, Elena Allia, Simonetta Bisanzi, Anna Gillio-Tos, Laura De Marco, Raffaella Rizzolo, Daniela Gustinucci, Annarosa Del Mistro, Helena Frayle, Massimo Confortini, Anna Iossa, Elena Cesarini, Simonetta Bulletti, Basilio Passamonti, Silvia Gori, Laura Toniolo, Alessandra Barca, Laura Bonvicini, Francesco Venturelli, Maria Benevolo, NTCC2 Working Group. Performance of HPV E6/E7 mRNA assay as primary screening test: Results from the NTCC2 trial. *Int J Cancer*. 2022;151(7):1047-1058. doi:10.1002/ijc.34120
7. Roncaglia, F., Bonvicini, L., Kendall, S., Panza, C., Ferraroni, M., & Giorgi Rossi, P. (2022). Validation of the Italian version of the Tool to Measure Parenting Self-Efficacy questionnaire using data from an intervention study. *Child: Care, Health and Development*, 1–12. <https://doi.org/10.1111/cch.13032>
8. Formoso G, Jeroncic A, Bonvicini L, Djuric O, Erdos J, Pezzarossi A, Ballini L. *Synthesizing quantitative and qualitative information on multiple comparisons of health interventions to facilitate knowledge transfer: an example from an EUnetHTA multi-HTA*. *Int J Technol Assess Health Care*. 2022 Feb 9;38(1):e20. doi: 10.1017/S0266462322000046.
9. Monelli F, Besutti G, Djuric O, Bonvicini L, Fari R, Bonfatti S, Ligabue G, Bassi MC, Damato A, Bonelli C, Pinto C, Pattacini P, Giorgi Rossi P. *The Effect of Diffuse Liver Diseases on the Occurrence of Liver Metastases in Cancer Patients: A Systematic Review and Meta-Analysis*. *Cancers (Basel)*. 2021 May 7;13(9):2246. doi: 10.3390/cancers13092246
10. EUnetHTA OTCA27 Authoring Team. Comparative effectiveness of surgical techniques and devices for the treatment of benign prostatic hyperplasia. Collaborative Assessment. Diemen (The Netherlands): EUnetHTA; 2021. Report No.: OTCA27. Available from: <https://www.eunetha.eu>
11. Giorgi Rossi P, Carozzi F, Ronco G, Allia E, Bisanzi S, Gillio-Tos A, Marco L, Rizzolo R, Gustinucci D, Del Mistro A, Frayle H, Confortini M, Iossa A, Cesarini E, Bulletti S, Passamonti B, Gori S, Toniolo L, Barca A, Bonvicini L, Mancuso P, Venturelli F, Benevolo M; the New Technology for Cervical Cancer 2 Working Group. *p16/ki67 and E6/E7 mRNA Accuracy and Prognostic Value in Triaging HPV DNA-Positive Women* *J Natl Cancer Inst*. 2021 Mar 1;113(3):292-300. doi: 10.1093/jnci/djaa105.
12. Broccoli S, Bonvicini L, Djuric O, Candela S, Davoli AM, Ferrari E, Panza C, Storani S, Tamelli M, Fabbri A, Giorgi Rossi P. *Understanding the association between mother's education level and effectiveness of a child obesity prevention intervention: a secondary analysis of an RCT*. *Epidemiol Prev*. Sep-Dec 2020;44(5-6 Suppl 1):153-162. doi: 10.19191/EP20.5-6.S1.P153.085.
13. Panza C, Volta A, Broccoli S, Bonvicini L, Kendall S, Marchesi M, Giorgi Rossi P. *Evaluation of an intervention aimed at supporting new parents: the Baby Newsletter project*. *Ital J Pediatr*. 2020 Sep 4;46(1):123. doi: 10.1186/s13052-020-00886-5.
14. Giorgi Rossi P, Ferrari F, Amarri S, Bassi A, Bonvicini L, Dall'Aglio L, Della Giustina C, Fabbri A, Ferrari AM, Ferrari E, Fontana M, Foracchia M, Gallelli T, Ganugi G, Ilari B, Lo Scocco S, Maestri G, Moretti V, Panza C, Pinotti M, Prandini R, Storani S, Street ME, Tamelli M, Trowbridge H, Venturelli F, Volta A, Davoli AM; Childhood Obesity Prevention Working

Group. *Describing the Process and Tools Adopted to Cocreate a Smartphone App for Obesity Prevention in Childhood: Mixed Method Study*. JMIR Mhealth Uhealth. 2020 Jun 8;8(6):e16165. doi: 10.2196/16165.

15. Broccoli S, Djuric O, Bonvicini L, Davoli AM, Ferrari E, Ferrari F, Street ME, Giorgi Rossi P. *Early life weight patterns and risk of obesity at 5 years: A population-based cohort study*. Prev Med 2020 May;134:106024. doi: 10.1016/j.ypmed.2020.106024.
16. Ottone M, Broccoli S, Parmagnani F, Giannini S, Scotto F, Bonvicini L, Luberto F, Bacco D, Trentini A, Poluzzi V, Angelini P, Colacci A, Giorgi Rossi P, Ranzi A. *Source-related components of fine particulate matter and risk of adverse birth outcomes in Northern Italy*. Environ Res 2020 Jul;186:109564. doi: 10.1016/j.envres.2020.109564.
17. Merolle L, Marraccini C, Vurro F, Parisi M, Di Bartolomeo E, Bonvicini L, Broccoli S, Rossi PG, Baricchi R, Pertinhez TA. *The effect of donor's characteristics on plasmapheresis products: insights for a personalised approach*. Blood Transfus. 2020 May;18(3):170-175. doi: 10.2450/2020.0247-19.
18. Vurro F, Merolle L, Marraccini C, Parisi M, Canovi L, Erta B, Santachiara A, Bonvicini L, Giorgi Rossi P, Baricchi R, Pertinhez TA. *Quantitative assessment of the anticoagulant in plasma units collected by plasmapheresis*. Transfusion. 2019 Jun;59(6):2113-2120. doi: 10.1111/trf.15244.
19. Venturelli F, Ferrari F, Broccoli S, Bonvicini L, Mancuso P, Bargellini A, Giorgi Rossi P. *The effect of Public Health/Pediatric Obesity interventions on socioeconomic inequalities in childhood obesity: A scoping review*. Obes Rev. 2019 Dec;20(12):1720-1739. doi: 10.1111/obr.12931.
20. Petrelli A, Di Napoli A, Agabiti N, Barbieri G, Bardin A, Bargagli AM, Biggeri A, Bonvicini L, Broccoli S, Cacciani L, Canova C, Caranci N, Costa G, Dalla Zuanna T, Davoli M, Di Girolamo C, Ferracin E, Giorgi Rossi P, Grisotto L, Marino C, Pacelli B, Simonato L, Spadea T, Strippoli E, Zengarini N. *Immigrants' health and socioeconomic inequalities of overall population residing in Italy evaluated through the Italian network of Longitudinal Metropolitan Studies* Epidemiol Prev. 2019 Sep-Dec;43(5-6 Suppl 1):1-80. doi: 10.19191/EP19.5-6.S1.112.
21. Ballini L, Bonvicini L, Bottazzi P, Eisenmann A, Formoso G, Giorgi Rossi P, Rosian-Scikutka I, Venturelli F, Vicentini M *Femtosecond Laser-Assisted Cataract Surgery (FLACS) for age-related cataract. Rapid assessment on other health technologies using the HTA Core Model for Rapid Relative Effectiveness Assessment*. EUnetHTA Project ID: OTCA07. 2018.
22. Lisa Bauleo, Laura Bonvicini, Michele Carugno, Massimiliano Giraudo, Francesca Mataloni, Maja Popovic, Matteo Renzi, Vittorio Simeon *epidemiologi(a): quale futuro? Il Convegno AIE di Primavera* Epidemiol Prev 2018; 42 (3-4):209-210. doi: 10.19191/EP18.3-4.P209.066
23. Roberta Pirastu, Salvatore Scondotto, Michela Baccini, Francesco Barone Adesi, Laura Bonvicini, Giulia Cesaroni, Eva Pagano, Roberto Pasetto, Nicolás Zengarini: *XLI Convegno dell'Associazione italiana di epidemiologia. L'epidemiologia oggi: evidenze, comunicazione e partecipazione* Epidemiol Prev 2017; 41 (5-6): 230-231- DOI: <https://doi.org/10.19191/EP17.5-6.P230.078>
24. Lisa Bauleo, Laura Bonvicini, Michele Carugno, Massimiliano Giraudo, Francesca Mataloni, Maja Popovic, Matteo Renzi, Vittorio Simeon: *Se dico John Snow, a cosa pensi? #spoileralert* Epidemiol Prev 2017; 41 (3-4): 159-161- DOI: <https://doi.org/10.19191/EP17.3-4.P159.044>
25. Poletti M, Carretta E, Bonvicini L, Giorgi-Rossi P: *Cognitive Clusters in Specific Learning Disorder* J Learn Disabil. 2016 Jan/Feb;51(1):32-42 - doi: 10.1177/0022219416678407
26. Broccoli S, Davoli AM, Bonvicini L, et al.: *Motivational Interviewing to Treat Overweight Children: 24-Month Follow-Up of a Randomized Controlled Trial*. Pediatrics. 2016;137(1):e20151979
27. Gruppo di lavoro Bambini Molto In Forma (BMInF), AUSL Reggio Emilia, Serena Broccoli, Anna Maria Davoli, Paola Albertini, Laura Bonvicini, Alessandra Fabbri, Elena Ferrari, Francesca Ferrari, Gino Montagna, Costantino Panza, Simone Storani, Silvia Candela, Eletta Bellocchio, Paolo Giorgi Rossi: *Colloqui motivazionali a bambini sovrappeso e genitori negli ambulatori dei pediatri: buoni risultati, ma un anno non basta* Epidemiol Prev 2015; 39 (5-6): 393-393 [intervento]
28. Candela S, Bonvicini L, Ranzi A, Baldacchini F, Broccoli S, Cordioli M, Carretta E, Luberto F, Angelini P, Evangelista A, Marzaroli P, Giorgi Rossi P, Forastiere F. *Exposure to emissions from municipal solid waste incinerators and miscarriages: a multisite study of the MONITER Project*. Environ Int. 2015 May;78:51-60. doi: 10.1016/j.envint.2014.12.008. Epub 2015 Mar 10.
29. Laura Bonvicini, Silvia Candela, Andrea Evangelista, Daniela Bertani, Morena Casoli, Annarella Lusvardi, Antonella Messori, Paolo Giorgi Rossi: *Public and private pregnancy care in Reggio Emilia Province: an observational study on appropriateness*

of care and delivery outcomes. BMC Pregnancy and Childbirth 2014 14:72.

30. Paola Ballotari, Stefania D'Angelo, Laura Bonvicini, Serena Broccoli, Nicola Caranci, Silvia Candela, Paolo Giorgi Rossi: *Effects of immigrant status on Emergency Room (ER) utilisation by children under age one: a population-based study in the province of Reggio Emilia (Italy)*. BMC Health Services Research 2013 13:458.
31. Davoli AM, Broccoli S, Bonvicini L, Fabbri A, Ferrari E, D'Angelo S, Di Buono A, Montagna G, Panza C, Pinotti M, Romani G, Storani S, Tamelli M, Candela S, Giorgi Rossi P. *Pediatrician-led motivational interviewing to treat overweight children: an RCT*. Pediatrics. 2013 Nov;132(5):e1236-46. doi: 10.1542/peds.2013-1738. Epub 2013 Oct 21.
32. Candela S, Ranzi A, Bonvicini L, Baldacchini F, Marzaroli P, Evangelista A, Luberto F, Carretta E, Angelini P, Sterrantino AF, Broccoli S, Cordioli M, Ancona C, Forastiere F. *Air pollution from incinerators and reproductive outcomes: a multisite study*. Epidemiology. 2013 Nov;24(6):863-70. doi: 10.1097/EDE.0b013e3182a712f1.
33. Bonvicini L., Broccoli S., D'Angelo S., Candela S., *L'accesso al Pronto Soccorso nella provincia di Reggio Emilia: un confronto tra la popolazione immigrata e italiana* Epidemiol Prev 2011;35 (5-6):259-266
34. Candela S., Ranzi A., Luberto F., Angelini P., Marzaroli P., Bonvicini L., Broccoli S., Evangelista A., Sterrantino Freni A., Goldoni C.A., Di Girolamo G., Ancona C., Forastiere F., *Inceneritori e nascite, gli esiti dello studio* Ecoscienza, numero 2, Anno 2010
35. Volta A., Fabbri A., Dall'Asta I., Guennouna Z., Chiarenza A., Bonvicini L., Moscara L., Pini D., Ventura C., *L'alimentazione complementare nelle popolazioni immigrate: indagine su tre gruppi linguistici della provincia di Reggio Emilia* Medico e Bambino 2011;30: 535-536
36. Candela S., Ballotari P., Bonvicini L., Broccoli S., Pacelli B., Luberto F., *La salute della popolazione immigrata a Reggio Emilia – Il 2° Rapporto*. Collana Progetto Salute N.11. Reggio Emilia, maggio 2011

PUBBLICAZIONI IN CUI LA SOTTOSCRITTA FA PARTE DEL GRUPPO DI LAVORO CITATO

37. Benevolo M, Mancuso P, Allia E, Gustinucci D, Bulletti S, Cesarini E, Carozzi FM, Confortini M, Bisanzì S, Rubino T, Rollo F, Marchi N, Farruggio A, Pusiol T, Venturelli F, Giorgi Rossi P; New Technologies for Cervical Cancer 2 (NTCC2) Working Group. *Determinants of p16/Ki-67 adequacy and positivity in HPV-positive women from a screening population*. Cancer Cytopathol. 2021 May;129(5):383-393. doi: 10.1002/cncy.22385.
38. Renzi M, Scortichini M, Forastiere F, De' Donato F, Michelozzi P, Davoli M, Gariazzo C, Viegi G, Stafoggia M; BEEP collaborative Group, Ancona C, Bucci S, De' Donato F, Michelozzi P, Renzi M, Scortichini M, Stafoggia M, Bonafede M, Gariazzo C, Marinaccio A, Argentini S, Sozzi R, Bonomo S, Fasola S, Forastiere F, La Grutta S, Viegi G, Cernigliaro A, Scondotto S, Baldacci S, Maio S, Licitra G, Moro A, Angelini P, Bonvicini L, Broccoli S, Ottone M, Rossi PG, Colacci A, Parmagnani F, Ranzi A, Galassi C, Migliore E, Bisceglia L, Chieti A, Brusasca G, Calori G, Finardi S, Nanni A, Pepe N, Radice P, Silibello C, Tinarelli G, Uboldi F, Carlino G. *A nationwide study of air pollution from particulate matter and daily hospitalizations for respiratory diseases in Italy*. Sci Total Environ. 2022 Feb 10;807(Pt 3):151034.
39. Caranci N, Di Girolamo C, Giorgi Rossi P, et al.: *Cohort profile: the Italian Network of Longitudinal Metropolitan Studies (INLiMeS), a multicentre cohort for socioeconomic inequalities in health monitoring*. BMJ Open 2018;8:e020572. doi:10.1136/bmjopen-2017-020572
40. Pacelli B, Zengarini N, Broccoli S, Caranci N, Spadea T, Di Girolamo C, Cacciani L, Petrelli A, Ballotari P, Cestari L, Grisotto L, Giorgi Rossi P; IN-LiMeS Group: *Differences in mortality by immigrant status in Italy. Results of the Italian Network of Longitudinal Metropolitan Studies*. Eur J Epidemiol. 2016 Jul;31(7):691-701. doi: 10.1007/s10654-016-0177-z. Epub 2016 Jul 26
41. Baccini M, Biggeri A; Gruppo collaborativo EpiAir: *Short-term impact of air pollution among Italian cities covered by the EpiAir2 project* [Article in Italian] Epidemiol Prev. 2013 Jul-Oct;37(4-5):252-62.
42. Di Leonardo S, Nuvolone D, Forastiere F, Cadum E, Barchielli A; Gruppo collaborativo EpiAir2: *Policies for the promotion of sustainable mobility and the reduction of traffic-related air pollution in the cities participating in the EpiAir2 project*. [Article in Italian] Epidemiol Prev. 2013 Jul-Oct;37(4-5):242-51.
43. Scarinzi C, Alessandrini ER, Chiusolo M, Galassi C, Baldini M, Serinelli M, Pandolfi P, Bruni A, Biggeri A, De Togni A, Carreras

G, Casella C, Canova C, Randi G, Ranzi A, Morassuto C, Cernigliaro A, Giannini S, Lauriola P, Minichilli F, Gherardi B, Zauli-Sajani S, Stafoggia M, Casale P, Gianicolo EA, Piovesan C, Tominz R, Porcaro L, Cadum E; Gruppo collaborativo EpiAir2. *Air pollution and urgent hospital admissions in 25 Italian cities: results from the EpiAir2 project*. [Article in Italian] *Epidemiol Prev*. 2013 Jul-Oct;37(4-5):230-41.

44. Alessandrini ER1, Faustini A, Chiusolo M, Stafoggia M, Gandini M, Demaria M, Antonelli A, Arena P, Biggeri A, Canova C, Casale G, Cernigliaro A, Garrone E, Gherardi B, Gianicolo EA, Giannini S, Iuzzolino C, Lauriola P, Mariottini M, Pasetto P, Randi G, Ranzi A, Santoro M, Selle V, Serinelli M, Stivanello E, Tominz R, Vigotti MA, Zauli-Sajani S, Forastiere F, Cadum E; Gruppo collaborativo EpiAir2. *Air pollution and mortality in twenty-five Italian cities: results of the EpiAir2 Project*. [Article in Italian] *Epidemiol Prev*. 2013 Jul-Oct;37(4-5):220-9.
45. Gandini M1, Berti G, Cattani G, Faustini A, Scarinzi C, De'donato F, Accetta G, Angiuli L, Caldara S, Carreras G, Casale P, Di Biagio K, Giannini S, Iuzzolino C, Lanzani G, Lauriola P, Leuci P, Mariuz M, Marchesi S, Nocioni A, Pistollato S, Pizzi L, Ranzi A, Serinelli M, Stagarò E, Vianello L, Vigotti MA, Zauli-Sajani S, Cadum E, Faustini A; Gruppo collaborativo EpiAir2. *Environmental indicators in EpiAir2 project: air quality data for epidemiological surveillance* [Article in Italian] *Epidemiol Prev*. 2013 Jul-Oct;37(4-5):209-19.

Reggio Emilia, 01/08/2023

