



Giuseppe Stirparo

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WORK EXPERIENCE

07/2022 – present Milano, Italy

MEDICAL DOCTOR REGIONAL EMERGENCY SERVICES (AREU), LOMBARDY REGION

from July 2022 – present

As a medical doctor within the Organisational Medical Direction at AREU Lombardia (Agenzia Regionale Emergenza Urgenza), my role involves coordinating and overseeing the strategic planning, clinical governance, and operational protocols of the regional emergency medical system. Key responsibilities include the development and implementation of healthcare policies, supervision of emergency response networks (including pre-hospital and helicopter services), quality improvement initiatives, and inter-institutional collaboration to ensure timely and effective emergency care. The position also includes active involvement in data analysis, research, and innovation projects to enhance public health outcomes and system preparedness.

01/2024 - 12/2025

MEDICAL DOCTOR REGIONE LOMBARDIA, UO OSSERVATORIO EPIDEMIOLOGICO E FLUSSI INFORMATIVI

from January 2023 – December 2025

I collaborate with the Regional Directorate of Welfare on the optimization of data flows for the National Outcomes Program (PNE) and the monitoring of Essential Levels of Care (LEA). I support the integration of emergency department data with regional policies, particularly in the implementation of the new triage model.

EDUCATION AND TRAINING

11/2023 University of Modena and Reggio Emilia, Italy

PHD IN CLINICAL AND EXPERIMENTAL MEDICINE Università degli studi di Modena e Reggio Emilia

10/2024 05/2025

TERRITORIAL EMERGENCY MEDICINE COURSE, Emilia-Romagna Regional Health Service, Italy

Duration: 475 hours (191 hours theoretical/practical modules and 284 hours professional MET training)

01/2024 – 12/2024 University of Pavia, Italy

MASTER DEGREE IN OCCUPATIONAL AND ENVIRONMENTAL MEDICINE Università degli studi di Pavia

70/70 cum laude

11/2019 – 11/2023 Milano, Italy

SPECIALIZATION IN HYGIENE, EPIDEMIOLOGY AND PUBLIC HEALTH at Università Vita e Salute San Raffaele

final grade 70/70 cum laude

11/2018 11/2019, Parma Italy

MASTER'S DEGREE IN ANTI-AGING MEDICINE, NUTRITION AND PREVENTION at Università degli studi di Parma grade 110/110

11/2011 – 07/2017 Parma, Italy

DEGREE IN MEDICINE AND SURGERY at Università degli studi di Parma final grade 110/110 cum laude

PUBLICATIONS

First author on 22 scientific publications

1. Stirparo G. et al (2023). Spring, it's time to rosc. *Journal of Preventive Medicine and Hygiene*, <https://doi.org/10.15167/2421-4248/jpmh2023.64.1.2782>
2. Stirparo G. et al (2024). Is mental health worse in medical students than in the general population? a crosssectional study. *Medicina (Lithuania)* <https://doi.org/10.3390/medicina60060863>
3. Stirparo G. et al (2022). Satisfaction evaluation for acs training. **Acta Biomedica* <https://doi.org/10.23750/abm.v93i3.13337>
4. Stirparo G. et al (2023). Management of possible stroke by laypeople in pre-hospital setting: who should we train? *Acta Biomedica* <https://doi.org/10.23750/abm.v94i5.14261>
5. Stirparo G. et al (2023). The impact of acs training in theoretical knowledge. *Acta Biomedica Article* e2023226. <https://doi.org/10.23750/abm.v94i6.14905>
6. Stirparo G. et al (2024). Are italian newly licensed nurses ready? a study on self-perceived clinical autonomy incritical care scenarios <https://doi.org/10.3390/healthcare12080809>
7. Stirparo G. et al (2023). Social illness before and after the covid-19 pandemic: a regional study. *Prehospital and Disaster Medicine* <https://doi.org/10.1017/S1049023X23000286>
8. Stirparo G. et al (2022). Cardiopulmonary resuscitation missed by bystanders: collateral damage of coronavirus disease 2019. *Acta Anaesthesiologica Scandinavica* <https://doi.org/10.1111/aas.14117>
9. Stirparo G. et al (2023). Simed-new doc course, a matter of reflection. *Acta Biomedica* <https://doi.org/10.23750/abm.v94i1.13959>
10. Stirparo G. et al (2025). Ten years of basic life support provider course: results and challenges from the Italian resuscitation council's experience. *Resuscitation Plus* <https://doi.org/10.1016/j.resplu.2025.100903>
11. Stirparo G. et al (2022). Changes to the major trauma pre-hospital emergency medical system network before and during the 2019 covid-19 pandemic. *Journal of Clinical Medicine* <https://doi.org/10.3390/jcm11226748>
12. Stirparo G. et al (2023). Emergency department waiting-time in the post pandemic era: new organizational models, a challenge for the future. *Acta Biomedica* <https://doi.org/10.23750/abm.v94iS3.14262>
13. Stirparo G. et al (2022). The impact of covid-19 on lombardy region st-elevation myocardial infarction emergency medical system network—a three-year study. *Journal of Clinical Medicine* <https://doi.org/10.3390/jcm11195718>
14. Stirparo G. et al (2025). Helicopter emergency medical services as a tool for prehospital emergency rescue in northern italy. *Air Medical Journal* <https://doi.org/10.1016/j.amj.2025.02.005>
15. Stirparo G. et al (2024). Enhancing physicians' autonomy through practical trainings *Annali di Igiene Medicina Preventiva e di Comunita* <https://doi.org/10.7416/ai.2024.2638>
16. Stirparo G. et al (2024). Should basic life support–defibrillator training be compulsory for newly licensed italian physicians? an observational study. *Journal of Cardiovascular Medicine* <https://doi.org/10.2459/JCM.0000000000001645>
17. Stirparo G. et al (2022). Public health impact of the covid-19 pandemic on the emergency healthcare system. *Journal of Public Health (United Kingdom)* <https://doi.org/10.1093/pubmed/fdab212>
18. Stirparo G. et al (2022). Smart-working policies during covid-19 pandemic: a way to reduce work-related traumas?. *Internal and Emergency Medicine* <https://doi.org/10.1007/s11739-022-03076-9>
19. Stirparo G. et al (2023). Stroke and the need for immediate assistance at the place of onset: the future of mandatory training for lay people in italy. *Annali di Igiene Medicina Preventiva e di Comunita* <https://doi.org/10.7416/ai.2022.2553>
20. Stirparo, G., Ticozzi, E. M., Cataldi, S., Bonora, R., Pagliosa, A., Giupponi, A., Ruberti, S., Bodina, A., Perotti, G., Pregliasco, F. E., Signorelli, C., & Ristagno, G. (2025). Helicopter Emergency Medical Services as a Tool for

Prehospital Emergency Rescue in Northern Italy. *Air medical journal*, 44(3), 189–194. <https://doi.org/10.1016/j.amj.2025.02.005>

21. Stirparo, G., Gaetti, G., Ristagno, G., Babini, G., Di Marco, S., Scapigliati, A., Galazzi, A., Cucino, A., & Italian Resuscitation Council Scientific Committee (2025). Ten years of Basic Life Support provider course: results and challenges from the Italian Resuscitation Council's experience. *Resuscitation plus*, 22, 100903.
22. Stirparo, G., Ticozzi, E. M., Scudera, L., Ales, M. E., Bodina, A., Perotti, G., Pregliasco, F. E., Signorelli, C., & Lombardo, M. (2025). STEMI patients' demographics and outcomes by mode of emergency department arrival. *Journal of cardiovascular medicine (Hagerstown, Md.)*, 26(9), 501–507. <https://doi.org/10.2459/JCM.0000000000001767>

Last author on 14 scientific publications

1. Fagoni N. , Bellini L. , Bonora R. , Botteri M. , Migliari M. , Pagliosa A. , Sechi G. M. , Signorelli C. , Zoli A. , Stirparo G. (2024). Changing the stroke network during pandemic scenarios does not affect the management of patients with a positive Cincinnati prehospital stroke scale. **Neurological Sciences**, 45.0*(2), 655-662. <https://doi.org/10.1007/s10072-023-07046-7>
2. Sturla M. I. , Kacerik E. , Andreassi A. , Pacciolla L. , Villa G. F. , Sechi G. M. , Stirparo G. (2023). Out of hospital cardiac arrest in sporting facilities: an overview of rescue for sideline doctors; [arresto cardiocircolatorio extraospedaliero negli impianti sportivi, un'analisi del soccorso a supporto dei medici a bordo campo]. **Medicina dello Sport**, 76.0*(1), 70-78. <https://doi.org/10.23736/S0025-7826.23.04231-X>
3. Gambolò L. , Di Fronzo P. , Ristagno G. , Biserni S. , Milazzo M. , Socaci D. M. , Sarli L. , Artioli G. , Bonacaro A. , Stirparo G. (2024). The role of different feedback devices in the survival of patients in cardiac arrest: systematic review with meta-analysis. **Journal of Clinical Medicine**, 13.0*(19), Article 5989. <https://doi.org/10.3390/jcm13195989>
4. Bellini L. , Fagoni N. , Andreassi A. , Sechi G. M. , Bonora R. , Stirparo G. (2023). Effectiveness of cardiopulmonary resuscitation at the workplace. **Medicina del Lavoro**, 114.0*(3), Article e2023010. <https://doi.org/10.23749/mdl.v114i3.13995>
5. Bellini L. , Gambolò L. , Solla D. , Stirparo G. (2023). “am i ready?” self-perceived clinical autonomy in italian newly licensed physicians. **EuroMediterranean Biomedical Journal**, 18.0*, 19-22. <https://doi.org/10.3269/1970-5492.2023.18.4>
6. Gambolò L. , Bottignole D. , D'Angelo M. , Bellini L. , Stirparo G. (2024). Comparative efficacy of akathisia treatments: a network meta-analysis. **CNS Spectrums**, 29.0*(4), 243-251. <https://doi.org/10.1017/S1092852924000233>
7. Pireddu R. , Ristagno G. , Gianquintieri L. , Bonora R. , Pagliosa A. , Andreassi A. , Sechi G. M. , Signorelli C. , Stirparo G. (2024). Out-of-hospital cardiac arrest in the paediatric patient: an observational study in the context of national regulations. **Journal of Clinical Medicine**, 13.0*(11), Article 3133. <https://doi.org/10.3390/jcm13113133>
8. Bonora R. , Ticozzi E. M. , Pregliasco F. E. , Pagliosa A. , Bodina A. , Cereda D. , Perotti G. , Lombardo M. , Stirparo G. (2025). Telephone calls to emergency medical service as a tool to predict influenza-like illness: a 10-year study. **Public Health**, 238.0*, 239-244. <https://doi.org/10.1016/j.puhe.2024.12.021>
9. F. Bottega, E. Ticozzi, R. Faccincani, A. Comelli and G. Stirparo. EMBJ. A NEW SCORE TO IMPROVE RESOURCE ALLOCATION DURING MASS GATHERING EVENTS. (2025). *EuroMediterranean Biomedical Journal*, 20(1). <https://doi.org/10.3269/embj.2025.359>
10. Gambolò L. , D'angelo M. , Stirparo G. (2023). Exploring serendipitous relief: ssris as a potential treatment for aphthosis - a case report. **Aesthetic Medicine**, 9.0*(4), Article e2023019. <https://doi.org/10.57662/am.v9i4.14966>
11. Gambolò L., Pireddu, R., D'Angelo, M., Ticozzi, E. M., Bellini, L., Solla, D., Fagoni, N., & Stirparo, G. (2025). Exploring mental health of Italian college students: a systematic review and meta-analysis. *Discover mental health*, 5(1), 91. <https://doi.org/10.1007/s44192-025-00229-y>
12. Cocciolo G, Gaetti G, Ticozzi EM, Bodina A, Perotti G, Stirparo G. Epidemiological profile of work-related injuries in Lombardy: Insights from Emergency Department data. *Acta Biomed*. 2025;96(5):17049.

13. Ticozzi, E. M., Fagoni, N., Kacerik, E., Bodina, A., Perotti, G., Lombardo, M., Pregliasco, F. E., & Stirparo, G. (2025). Mandatory First-Aid Training in the Workplace: An Epidemiological Assessment of the Use of Acetylsalicylic Acid Therapy. *Epidemiologia (Basel, Switzerland)*, 6(3), 49. <https://doi.org/10.3390/epidemiologia6030049>
14. Ticozzi, E. M., Gaetti, G., Gambolò, L., Bottignole, D., Di Fronzo, P., Solla, D., & Stirparo, G. (2025). Navigating Vaccine Misinformation: Assessing Newly Licensed Physicians' Ability to Distinguish Facts from Fake News. *Epidemiologia (Basel, Switzerland)*, 6(2), 27. <https://doi.org/10.3390/epidemiologia6020027>

Coauthor on 20 scientific publications

1. Silvestri I. , Merigo G. , Bonetti C. , Guerra M. B. , Pignatelli S. , Stirparo G. , Ristagno G. (2023). Concomitant hypokalemia and hypocalcemia: a very rare but life-threatening combination of reversible causes of cardiac arrest: an unusual first manifestation of celiac disease. *Acta Biomedica* <https://doi.org/10.23750/abm.v94i6.15014>
2. Abbrescia M et al. (2012). Proposal for an mrpc system with high-precision timing in the lvd structure. *European Physical Journal Plus* <https://doi.org/10.1140/epjp/i2012-12042-x>
3. Penna A. , Magliocca A. , Merigo G. , Stirparo G. , Silvestri I. , Fumagalli F. , Ristagno G. (2023). One-year review in cardiac arrest: the 2022 randomized controlled trials. *Journal of Clinical Medicine* <https://doi.org/10.3390/jcm12062235>
4. Cucino A. , Palmisano F. , Stirparo G. , Merigo G. , Ristagno G. (2024). Cardiac arrest and medical technological innovations in the next decade: how about artificial intelligence-assisted tailored cardiopulmonary resuscitation?. *Resuscitation* <https://doi.org/10.1016/j.resuscitation.2024.110290>
5. Signorelli C. , Odone A. , Stirparo G. , Cereda D. , Gramegna M. , Trivelli M. , Rezza G. (2020). Sars-cov-2 transmission in the lombardy region: the increase of household contagion and its implication for containment measures. *Acta Biomedica* <https://doi.org/10.23750/abm.v91i4.10994>
6. Silvestri I. , Stirparo G. , Bonetti C. , Maria B. G. , Ruberti S. , Coppo A. , Migliari M. , Ristagno G. (2024). Do different mechanical compressors provide equivalent hemodynamic support during cardiopulmonary resuscitation?. *Resuscitation Plus* <https://doi.org/10.1016/j.resplu.2024.100759>
7. Fagoni N. , Stirparo G. , Sechi G. M. , Comelli A. , Perotti G. , Villa G. F. , Zoli A. , Botteri M. (2025). The leading “blended” civil medical evacuation operation (medevac) in unforeseen health emergency. from military use to civil development. *Travel Medicine and Infectious Disease* <https://doi.org/10.1016/j.tmaid.2024.102794>
8. Marchese G. , Bungaro E. , Magliocca A. , Fumagalli F. , Merigo G. , Semeraro F. , Mereto E. , Babini G. , RomanPognuz E. , Stirparo G. , Cucino A. , Ristagno G. (2024). Acute lung injury after cardiopulmonary resuscitation: a narrative review. *Journal of Clinical Medicine* <https://doi.org/10.3390/jcm13092498>
9. Magliocca A. , Castagna V. , Fornari C. , Zimei G. , Merigo G. , Penna A. , Carlson J. , Fumagalli F. , Stirparo G. , Migliari M. , Coppo A. , Sechi G. M. , Grasselli G. , Hardig B. M. , Ristagno G. (2024). Transthoracic impedance variability to assess quality of chest compression in out-of-hospital cardiac arrest. *Acta Anaesthesiologica Scandinavica* <https://doi.org/10.1111/aas.14374>
10. Gianni A. , Botteri M. , Stirparo G. , Mattesi G. , Zorzi A. , Villa G. F. (2024). The impact of the italian law mandating an automatic external defibrillator in all sports venues on sudden cardiac arrest resuscitation rates. **European Journal of Preventive Cardiology* <https://doi.org/10.1093/eurjpc/zwad313>
11. Bucci D. , Rossi D. , Croci R. , Bellini L. , Bonaldi F. , Capraro M. , Frascella B. , Gaetti G. , Granata L. , Solla D. , Stirparo G. , Bizzarro A. , Bordin G. , Odone A. , Capolongo S. , Pasquarella C. , Pelissero G. , Signorelli C. (2020). The campaign “this is public health” in italy, set up by a team of public health schools in northern italy. *Acta Biomedica* <https://doi.org/10.23750/abm.v91i3-S.9508>
12. Signorelli C. , Odone A. , Gianfredi V. , Balzarini F. , Bucci D. , Croci R. , Gaetti G. , Stirparo G. , Guerra R. (2021). Epidemiological assessment of the first covid-19 epidemic wave in lombardy. a systematic review. *Acta Biomedica* <https://doi.org/10.23750/abm.v92i56.12340>
13. Gianfredi V. , Buffoli M. , Rebecchi A. , Croci R. , Oradini-Alacreu A. , Stirparo G. , Marino A. , Odone A. , Capolongo S. , Signorelli C. (2021). Association between urban greenspace and health: a systematic review of literature. *International Journal of Environmental Research and Public Health* <https://doi.org/10.3390/ijerph18105137>

14. Mahakalkar, A. U., Caiani, E. G., Stirparo, G., Ticozzi, E., & Gianquintieri, L. (2025). Short-Term Effect of Air Pollution on Out of Hospital Cardiac Arrest (OHCA) in Lombardy-A Case-Crossover Spatiotemporal Study. *Global challenges* (Hoboken, NJ), 9(11), e00241. <https://doi.org/10.1002/gch2.202500241>
15. Magliocca, A., Fornari, C., Fumagalli, F., Merigo, G., Rahimi, M., Stirparo, G., Coppo, A., Migliari, M., Grasselli, G., Cheskes, S., & Ristagno, G. (2025). Amplitude spectrum area to predict true shock-refractory ventricular fibrillation during basic life support-treated out-of-hospital cardiac arrest. *Resuscitation*, 215, 110695. <https://doi.org/10.1016/j.resuscitation.2025.110695>
16. Cortellaro, F., Taurino, L., Delorenzo, M., Pausilli, P., Ilardo, V., Duca, A., Stirparo, G., Costantino, G., Galbiati, F., Contro, E., Bertolini, G., Fenech, L., & Sechi, G. M. (2025). Implementation of Telemedicine for Patients Referred to Emergency Medical Services. *Epidemiologia (Basel, Switzerland)*, 6(3), 36. <https://doi.org/10.3390/epidemiologia6030036>
17. Pegani, C., Peratoner, A., Andrian, M., Magagnin, L., Gambolò, L., Pravisani, A., Zuliani, M., Rakar, S., Lutman, C., Mattia, A. D., Fabretto, K., Tullio, A., Stirparo, G., Pognuz, E. R., Ristagno, G., & FVG-OHCA registry network (2025). Epidemiology and outcomes of out-of-hospital cardiac arrests treated by an anaesthetist-staffed emergency medical service: a 3-year registry analysis in The Friuli-Venezia-Giulia region. *Resuscitation plus*, 25, 101000. <https://doi.org/10.1016/j.resplu.2025.101000>
18. Babini, G., Cucino, A., Stirparo, G., Ristagno, G., Agostoni, C., Cvetkovic, M., & Italian Network of PICU Study Group (TIPNet) (2025). Current practice in pediatric post-cardiac arrest care: a national survey among Italian pediatric intensivists. *Resuscitation plus*, 24, 100970. <https://doi.org/10.1016/j.resplu.2025.100970>
19. Ristagno, G., Semeraro, F., Raffay, V., Stirparo, G., Lulic, I., Deakin, C. D., Drennan, I. R., Del Castillo, J., Acworth, J., Morley, P. T., Perkins, G. D., Smith, M., Olasveengen, T. M., Bray, J. E., International Liaison Committee on Resuscitation Basic Life Support Task Force Members, Advanced Life Support Task Force Members, & Pediatric Life Support Task Force Members (2025). Pad size, orientation, and placement for defibrillation during basic life support: A systematic review. *Resuscitation plus*, 25, 101030. <https://doi.org/10.1016/j.resplu.2025.101030>
20. Fijačko, N., Schnaubelt, S., Stirparo, G., Ticozzi, E. M., Ristagno, G., Semeraro, F., & Greif, R. (2025). The use of social media platforms in adult basic life support research: a scoping review. *Resuscitation plus*, 23, 100953. <https://doi.org/10.1016/j.resplu.2025.100953>

GRANT-FUNDED PROJECTS

Referent for the Italian National Project on Infectious Emergency Preparedness (CCM Programme, Ministry of Health)- with a budget of €40,000

I worked as Scientific Coordinator for AREU in the context of a national project funded by the Italian Ministry of Health's Center for Disease Prevention and Control (CCM). The project, titled "*Definition of a core curriculum for preparedness and response to infectious emergencies, including high-contagion events, aimed at healthcare professionals and nationally recognized through a pilot training*", is led by AGENAS and has a planned duration of two years.

The project aims to develop a multidisciplinary, evidence-based core curriculum for healthcare and non-healthcare professionals involved in emergency response. It also includes the implementation of a national pilot training program to validate and standardize response protocols across the country. The initiative seeks to strengthen coordination, promote the establishment of national networks, and stimulate further research in the field. A national digital training hub will be released at the end of the project.

European project "TEHDAS 2 - Towards the European Health Data Space Joint Action 2"

with a budget of €14,000

TEHDAS 2 is a European project funded under the EU4Health Programme 2021–2027. It involves 68 partners with the aim of establishing a secure and interoperable European Health Data Space to facilitate the secondary use of health data across EU Member States. The initiative focuses on enabling access, sharing, and use of health data for evidence based policy-making, research, and innovation, while ensuring full compliance with the GDPR (Regulation 679/2016).

The project addresses key challenges related to data format standardization, quality assurance, security, and the development of secure environments and metadata catalogues to make datasets accessible for research without compromising citizens' privacy.

Climate Change and Health Emergency Care (CLIMA-CARE)

with a budget of €180,000 allocated to AREU

Currently serving as Project Collaborator for the ERC *CLIMATE-SPACE: Climate Change and Health Activity*, with specific responsibility for the project *Climate Change and Health Emergency Care (CLIMA-CARE)*. The project is carried out in collaboration with ESA (the European Space Agency) and the Politecnico of Milano, with the aim to improve understanding of the impact of climate change on human health, with particular attention to climate-related health emergencies.

RESEARCH PROJECTS

07/2022

Member of the scientific committee for the study "SOPAPP-Orientamento del bisogno di cura non urgente: dal sistema dell'emergenza-urgenza verso i servizi della rete territoriale"

I participated as a member of the Scientific Committee for the SOPAPP research project, aimed at evaluating the effectiveness of home-based care through teleconsultation/telemedicine for patients identified as non-urgent by Regional Emergency Operation Centers (SOREU).

07/2024

Member of the scientific board for the European project "Prehospital Resuscitation Intranasal Cooling Effectiveness Survival Study II – PRINCESS II"

The PRINCESS II study is a multicenter, randomized controlled trial designed to assess the impact of early transnasal evaporative cooling on survival in patients with out-of-hospital cardiac arrest (OHCA). Although temperature management has been widely studied in post-cardiac arrest care, a significant gap remains regarding the efficacy of initiating therapeutic hypothermia directly at the scene of the arrest, particularly in patients with shockable rhythms. Transnasal evaporative cooling is a non-invasive technique that enables rapid body temperature reduction by evaporating a cooling agent in the nasopharynx, allowing timely intervention.

11/2023

Member of the scientific board for the European Study "TANGO2".

This research project, initiated by the Karolinska Institutet, aims to evaluate whether hands-only cardiopulmonary resuscitation (CPR) is as effective as, or potentially more effective than, standard CPR that includes both chest compressions and ventilation. The study specifically investigates outcomes in out-of-hospital cardiac arrests (OHCA) managed by laypersons trained in CPR techniques.

11/2023

Member – Education Committee, Milan Medical Council (Ordine dei Medici di Milano)

Appointed as a member of the Education Committee of the Milan Medical Council, which acts as an accredited provider for Continuing Medical Education (CME) in Italy. My role involves evaluating training proposals and the scientific content of e-learning (FAD) courses submitted for accreditation.

Research Consultant – Early Warning System for Pandemics (Lombardy Region – UO Prevention Unit)

Appointed by the Prevention Unit of Lombardy Region to develop a research project aimed at designing an early warning system for the detection of potential pandemics. The project focused on the integration and analysis of current data streams, administrative flows, and structured laboratory information.

This work led to the development of a digital platform recently made available to the Health and General Management Departments of Lombardy Region. The software enables early identification of potential pathogens.

04/2024

Research Expert – Health and Social Data Operational Center (CODS), Lombardy Region

I have been appointed by the Lombardy Region as a research expert within the framework of the establishment of the Health and Social Data Operational Center (CODS). The assignment involves planning and conducting data analysis, either independently or through qualified research centers, to support regional health policy decisions by evaluating the impact of legislative measures on the Regional Health System.

The working group is responsible for designing and implementing studies that assess the impact of regional resolutions on public health, in line with the principles of Health in All Policies. Following the publication of a new resolution, the Region may engage the CODS group to perform a health impact assessment, considering political, social, and economic dimensions.

TEACHING ASSIGNMENTS

01-01-2024 to present

TUTOR – SCHOOL OF SPECIALIZATION IN HYGIENE AND PREVENTIVE MEDICINE – Università degli studi di Milano

I serve as a tutor for residents specializing in Hygiene and Preventive Medicine at the University of Milan, guiding medical residents through their training during their rotation at AREU. I provide support for their professional development, both by teaching theoretical and practical skills, with a particular focus on research, prevention, and health policy management. I assist residents in acquiring the competencies necessary to face challenges related to public health and the management of hospital issues connected to the emergency-urgency system. Specifically, through data management, I promote a critical and evidence-based approach. The internship is characterized by a high level of research and epidemiological analysis.

2024 – 2025

Tutor and Operational Supervisor for National PhD Programme in Environmental Sustainability and Climate Change (38th Cycle, IUSS Pavia)

I served as tutor and operational supervisor within the National PhD Programme in Environmental Sustainability and Climate Change (38th cycle), supporting doctoral activities coordinated by Politecnico di Milano.

We designed a study exploring the relationship between air pollution and incidents of out-of-hospital cardiac arrest or emergency calls for acute cardiac events. The analysis integrates data from the Copernicus Climate Change Service with

geolocated emergency dispatch records (EMS-118), along with socio-demographic variables from ISTAT and environmental land-use data.

2021 -2023

TUTOR AND PROJECT SUPERVISION CRITICAL CARE MASTER AT THE UNIVERSITY OF PARMA

I collaborated as a lecturer professor at the First Level Master in Critical Care at the University of Parma. My teaching activities spanned multiple academic years, covering topics such as medical-legal aspects, good clinical practice in emergency patients, and patient management in both hospital and pre-hospital settings. In addition to lecturing, I acted as a tutor for the Critical Care Master at the University of Parma, guiding students in the development of project work focused on feedback devices in cardiac arrest management. This involved supervising small student groups in designing systematic reviews and meta-analyses, teaching the principles of scientific research, protocol registration, and evidence-based evaluation. Through this mentorship, students gained hands-on experience in research methodology and practical skills for clinical emergency settings.

2021-2023

TUTOR AND PROJECT SUPERVISOR 6th-year medical students for integrate activity (ADE) AT THE UNIVERSITY OF PARMA

I collaborated with the University of Parma as a teacher in the New-DOC program for 6th-year medical students, providing training on the organization of the Italian National Health System, medical-legal principles, and public health topics, including strategies to prevent antibiotic resistance.

POSITION IN SCIENTIFIC ORGANIZATIONS

2024 - present

Member of AGENAS register of experts, collaborators and researchers

I am a member of the Register of Experts, Collaborators, and Researchers of AGENAS, which serves as the tool used by AGENAS for the potential assignment of collaboration tasks, in accordance with the law and the principle of transparency.

2023 – 2025

Member of ILCOR (International Liaison Committee on Resuscitation) Research group on "PADS size and position"

Appointed as a methodologist within the ILCOR international research group focusing on "Public Access Defibrillators (PADs): Size and Position." I provide methodological support for systematic reviews and meta-analyses on emerging evidence regarding PAD placement and technical features (e.g., shape, materials, energy output).

Key responsibilities include defining research questions using the PICO framework, data extraction and synthesis for systematic review, conducting and updating meta-analyses based on the latest evidence.

This work is carried out through regular group meetings and ongoing updates of evidence. Recently, the research has expanded to include new technologies, such as the application of Artificial Intelligence to improve rhythm analysis, reduce artifacts (e.g., chest compressions during rhythm checks), and minimize interruptions in cardiopulmonary resuscitation (CPR).

12/2023 – present

Member of the Italian Resuscitation Council Scientific Committee

Appointed as a member of the Scientific Committee of the Italian Resuscitation Council (IRC), a multidisciplinary scientific society recognized by the Italian Ministry of Health. IRC brings together medical specialists from various fields and is dedicated to promoting research on cardiac arrest, both from a clinical and organizational perspective. The scientific committee focuses particularly on the optimization of pre-hospital emergency systems, including dispatch protocols, EMS (118) deployment strategies, and the implementation of public access defibrillator (PAD) networks.

01/01/2024 – present

Scientific advisor for HEMS (Mountain HEMS Association)

Appointed as Scientific Director of the Mountain HEMS Association, founded in Aosta in 2005 with the goal of defining a national organizational model for Helicopter Emergency Medical Services (HEMS) in Italy. The association actively promotes scientific research through conferences, training events, and the publication of peer-reviewed studies focused on HEMS system organization and clinical patient management.

Main responsibilities include reviewing research protocols and defining scientific objectives, acting as faculty for educational and scientific events, establishing accreditation criteria and organizational standards for HEMS bases.

01/01/2022 – present

President and founder of SIMED (Società Italiana di Medicina e Divulgazione Scientifica)

A scientific society dedicated to simulation and education in medicine. SIMED focuses on advancing medical training through innovative simulation-based methodologies, with the goal of improving clinical skills, patient safety, and the overall quality of healthcare education.

AWARDS

III Place Best abstract IRC congress 2024 Vicenza

Third place for Best Abstract with the study entitled *"Pollution and Cardiac Arrest: A Model to Assess Their Correlation"*, with Giuseppe Stirparo as first author.

CONFERENCES AND SEMINARS

Poster presentation at scientific congresses

1. Lifestyle change predictors in the general population. 16th World Congress on Public Health 2020 La Nuvola, Rome, Italy Published: European Journal of Public Health, Volume 30, Issue Supplement_5, September 2020 dal 12-10-2020 al 17-10-2020
2. Tackling Sustainable Development Goals in Italian Regional Legislation: a Health in All Policies comparativeanalysis 16th World Congress on Public Health 2020 La Nuvola, Rome, Italy Published: Volume 30 Issue Supplement_5, September 2020
3. Analisi della sopravvivenza nell'Arresto Cardiocircolatorio territoriale in regione Lombardia Secondo Congresso Nazionale di Emergenza Urgenza CEU Riva del Garda, Trento dal 20-09-2021 al 22-09-2021

4. Urban Green Spaces and Public Health Outcomes: a systematic review of literature 14th European Public Health Conference European Journal of Public Health, Volume 31, Issue Supplement_3, October 2021 <https://doi.org/10.1093/eurpub/ckab164.638> dal 10-11-2021 al 12-11-2021
5. Il ruolo della preparazione teorica nell'autonomia e sicurezza lavorativa dei giovani medici XLVI Convegno Nazionale AIE Padova dal 29-06-2022 al 01-07-2022
6. Emergenza Ucraina: l'attività di AREU nel trasporto sanitario dei pazienti 55° Congresso Nazionale Società Italiana di Igiene e medicina preventiva (Siti) Padova Journal of Preventive Medicine and Hygiene 2022;63_2S1:E1-E443. <https://doi.org/10.15167/2421-4248/jpmh2022.63.2S1>. dal 28-09-2022 al 01-10-2022
7. Il ruolo della preparazione teorica nell'autonomia e sicurezza lavorativa degli infermieri. XLVII Convegno Associazione Italiana Epidemiologia (AIE) - "Epidemiologia in movimento: le emergenze del presente, le sfide del futuro" Pisa dal 19-04-2023 al 21-04-2023
8. Influenza e arresto cardiaco - possibile correlazione epidemiologica? Conferenza Società Italiana di Igiene e medicina preventiva (Siti) 2023 - Cernobbio, Como dal 12-10-2023 al 14-10-2023
9. Self-evaluation of ALS (Corso Advanced Life Support) training in Nurse European Resuscitation Council (ERC) Congress – Resuscitation Barcellona. Resuscitation 192S1 (2023) S8–S179 dal 02-11-2023 al 04-11-2023
10. End-tidal CO2 differences between Lucas3™ and EasyPulse™ during mechanical cardiopulmonary resuscitation European Resuscitation Council (ERC) Congress – Resuscitation Barcellona. Resuscitation 192S1 (2023) S8–S179 dal 02-11-2023 al 04-11-2023
11. Ten years of basic life support provider course: results and challenges from the Italian Resuscitation Council's experience. European Resuscitation Council Congress 2024. Megaron International Conference Centre, Atene. Published: Resuscitation, Resuscitation 203S1 (2024) S11–S238. [https://doi.org/10.1016/S0300-9572\(24\)00766-4](https://doi.org/10.1016/S0300-9572(24)00766-4) dal 31-10-2024 al 02-11-2024
12. Peer-to-Peer Teaching in Healthcare: Empowering Medical Students for Effective Learning, first experience. European Resuscitation Council Congress 2024. Megaron International Conference Centre, Atene. Published: Resuscitation, Resuscitation 203S1 (2024) S11–S238. [https://doi.org/10.1016/S0300-9572\(24\)00757-3](https://doi.org/10.1016/S0300-9572(24)00757-3) dal 31-10-2024 al 02-11-2024
13. Focused echocardiography during out-of-hospital cardiopulmonary resuscitation: CUORe project. European Resuscitation Council Congress 2024. Megaron International Conference Centre, Atene. Published: Resuscitation, Resuscitation 203S1 (2024) S11–S238. [https://doi.org/10.1016/S0300-9572\(24\)00730-5](https://doi.org/10.1016/S0300-9572(24)00730-5) dal 31-10-2024 al 02-11-2024
14. Impact of no-flow and low-flow durations on outcome of out-of hospital cardiac arrest. European Resuscitation Council Congress 2024. Megaron International Conference Centre, Atene. Published: Resuscitation, Resuscitation 203S1 (2024) S11–S238. [https://doi.org/10.1016/S0300-9572\(24\)00721-4](https://doi.org/10.1016/S0300-9572(24)00721-4) dal 31-10-2024 al 02-11-2024
15. Impact of advanced airway on survival from cardiac arrest in an anesthesiologist-based prehospital emergency system in Italy. European Resuscitation Council Congress 2024. Megaron International Conference Centre, Atene, Resuscitation 203S1 (2024) S11–S238. [https://doi.org/10.1016/S0300-9572\(24\)00719-6](https://doi.org/10.1016/S0300-9572(24)00719-6) dal 31-10-2024 al 02-11-2024.
16. 58° Congresso SITI, Bologna 22-25 ottobre, Pitch Poster: Sorveglianza delle infezioni respiratorie acute attraverso l'analisi degli accessi ai Pronto Soccorso della Lombardia.

Oral presentations at scientific congresses

1. Risultati di un'indagine sui percorsi formativi dei Direttori Sanitari nei 200 ospedali di Regione Lombardia. 2° EDIZIONE "GIORNATE DELLA RICERCA SCIENTIFICA E DELLE ESPERIENZE PROFESSIONALI DEI GIOVANI" Società Italiana di Igiene e medicina preventiva (Siti) Presentazione Online. dal 17-12-2020 al 18-12-2020
2. Influenza dei professionisti sanitari sulle abitudini alimentari - un'indagine preliminare a Parma 2° EDIZIONE "GIORNATE DELLA RICERCA SCIENTIFICA E DELLE ESPERIENZE PROFESSIONALI DEI GIOVANI" Società Italiana di Igiene e medicina preventiva (Siti) Presentazione Online. dal 17-12-2020 al 18-12-2020
3. Sixfold increase in CPR abilities after a post-degree BLS-D course in young physicians 2° EDIZIONE "GIORNATE DELLA RICERCA SCIENTIFICA E DELLE ESPERIENZE PROFESSIONALI DEI GIOVANI" Società Italiana di Igiene e medicina preventiva (Siti) Presentazione Online. dal 17-12-2020 al 18-12-2020
4. Public health impact of COVID-19 pandemic on the emergency healthcare system: a region-wide analysis 14th European Public Health Conference Public health futures in a changing world Virtual Event European Journal

of Public Health, Volume 31, Issue Supplement_3, October 2021 <https://doi.org/10.1093/eurpub/ckab164.137> dal 10-11-2021 al 12-11-2021

5. Il posto di lavoro è cardioprotetto? Congresso Associazione Italiana Epidemiologia (AIE) Conference: XLVI Convegno Nazionale AIE - Decisioni in contesti di incertezza, il ruolo dell'epidemiologia Padova dal 29-06-2022 al 01-07-2022
6. Formazione Advanced Cardiovascular Life Support: quanto ne sappiamo? 55° Congresso Nazionale Società Italiana di Igiene e medicina preventiva (SItI) Padova Journal of Preventive Medicine and Hygiene 2022;63_2S1:E1-E443. <https://doi.org/10.15167/2421-4248/jpmh2022.63.2S1>. dal 28-09-2022 al 01-10-2022
7. Impatto del Covid-19 sugli accessi dei PS in regione lombardia: tre anni di follow up 55° Congresso Nazionale Società Italiana di Igiene e medicina preventiva (SItI) Padova Journal of Preventive Medicine and Hygiene 2022;63_2S1:E1-E443. <https://doi.org/10.15167/2421-4248/jpmh2022.63.2S1>. dal 28-09-2022 al 01-10-2022
8. "Il percorso territoriale dello stroke". Congresso Emergenza Urgenza (CEU) 2023 Sessione The First Hour QuintetII: Stroke. Firenze
9. Arresto cardiocircolatorio in età pediatrica: implementazione del DAE o progetti di prevenzione primaria? XLVII Convegno Associazione Italiana Epidemiologia (AIE) - "Epidemiologia in movimento: le emergenze del presente, le sfide del futuro" Pisa dal 19-04-2023 al 21-04-2023
10. I tempi di attesa dei Pronto Soccorso: una sfida nell'era post-pandemica Congresso nazionale A.N.M.D.O. (Associazione Nazionale dei Medici della Direzione Ospedaliera) - "Quale Ospedale per il futuro dell'Ospedale...da sempre fulcro dell'innovazione" - 11 - Napoli dal 17-05-2023 al 19-05-2023
11. Analisi epidemiologica sul trauma sportivo in Regione Lombardia: l'impatto dell'età Trentasettesimo Congresso Nazionale Federazione Medico Sportiva Italiana (FMSI) Centro Congressi "Rome Cavalier" Hilton, Roma dal 20-07-2023 al 22-07-2023
12. Elisoccorso e trauma sportivo: analisi del database HEMS Trentasettesimo Congresso Nazionale Federazione Medico Sportiva Italiana (FMSI) Centro Congressi "Rome Cavalier" Hilton, Roma dal 20-07-2023 al 22-07-2023
13. Gender Unbalance in Cardiopulmonary Resuscitation for Out-of-Hospital Cardiac Arrest in Lombardy Region, Italy. European Resuscitation Council Congress 2024. Megaron International Conference Centre, Atene. Published: Resuscitation, Resuscitation 203S1 (2024) S11– S238. [https://doi.org/10.1016/S0300-9572\(24\)00693-2](https://doi.org/10.1016/S0300-9572(24)00693-2) dal 31-10-2024 al 02-11-2024
14. 58° Congresso SITI, Bologna 22-25 ottobre, Oral Presentation: Google Trends e sorveglianza sindromica: un approccio innovativo per monitorare le infezioni respiratorie in Lombardia

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING	WRITING
	Listening	Reading		
ENGLISH	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

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Milano, 17.12.2025

Con la presente autorizzo ai sensi della Legge 196/2003 al trattamento dei miei dati personali.

In fede

