

Dr Katerina Iliopoulou

Position: Senior Healthcare Researcher

University or Organisation: National Public Healthcare Organisation-EODY

Short Bio:

With an extensive background in critical care nursing, I hold a Doctorate in Healthcare from King's College, London, UK (2018). Following my Doctorate, I completed a post-doctoral fellowship, at the same institution, further enhancing my research expertise

My research focuses on implementation science and the adoption of behavioural change theories and models, including Theory of reasoned action, Self efficacy, Theoretical Domains Framework to improve the uptake of Infection Control Practices (ICP) and interventions. My expertise lies in mixed-method research design, with a focus on quantitative research, development of psychometric scales, semi-structured interviews and non-participant observation. I also utilise contextual frameworks CFIR, conduct Cochrane qualitative evidence-synthesis, and employ process evaluation designs using the RE-AIM framework.

Areas of expertise and research interests include:

- Development of quality improvement interventions towards prevention of Central Line-Associated Bloodstream Infections by assessing the impact of context;
- Sedation optimisation in ICU patients; Patient Safety in ICU;
- Contextual factors affecting the implementation of Critical Care Telemedicine;
- Interprofessional practice and teamwork in critical care setting;
- Workforce development in critical care nursing and
- Environmental Sustainability in ICU (Green ICU)

I currently co-lead a working package on developing behavioural strategies to enhance Antimicrobial Stewardship (AMS) within the EU-funded programme: EU-JAMRAI 2 aligning with my research interests in implementation science and behavioural change theories.

I served as Chair of N&AHPs in the European Society of Intensive Care Medicine (2022-2024), and I am an ambassador in the European Implementation Collaborative.