CV

EVANGELOS I. KRITSOTAKIS
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ACADEMIC APPOINTMENTS

2019-now  Associate Professor of Biostatistics
Division of Social Medicine, School of Medicine, University of Crete, GR.
2019-now  Honorary Senior Lecturer, Division of Population Health (formerly School of Health & Related Research), School of Medicine and Population Health, University of Sheffield, UK.
2014-18  Tenured Lecturer (Assistant Professor) in Epidemiology & Medical Statistics
Section of Public Health, School of Health & Related Research (ScHARR), Faculty of Medicine, Dentistry & Health, University of Sheffield, UK.
2012-14  Honorary Lecturer in Biostatistics
Laboratory of Biostatistics, Division of Social Medicine, School of Medicine, University of Crete, GR.
2008-13  Adjunct Assistant Professor of Statistics
School of Health and Social Welfare, Technological Educational Institute of Crete, GR.
2010-11  Research Fellow, Infectious Diseases Unit
Division of Internal Medicine, School of Medicine, University of Crete, GR.
2007-08  Research Associate, Laboratory of Clinical Bacteriology, Parasitology, Zoonoses and Geographical Medicine, School of Medicine, University of Crete, GR.
2001-07  Adjunct Lecturer & Lab Tutor in Statistics & Financial Mathematics
Technological Educational Institute of Crete, GR.

HONOURS & AWARDS

2018  Chartered Statistician (CStat), Royal Statistical Society, UK.
Highest professional award by the Royal Statistical Society, formally recognizing statistical qualifications and professional training and experience.
2017  Fellow of the Higher Education Academy (FHEA), Advanced HE, UK.
Formal recognition of attainment against the UK Professional Standards Framework (UKPSF) for teaching in higher education based on independent evaluation of teaching practice & portfolio.
2009  William Jarvis Award 2009, Society for Healthcare Epidemiology of America, USA.
In acknowledgement of research contribution in hospital epidemiology and infection control.

ACADEMIC QUALIFICATIONS

2017  PGCert in Learning & Teaching in Higher Education
School of Education, Faculty of Social Sciences, University of Sheffield, UK.
2007  PhD Healthcare Epidemiology
School of Medicine, Faculty of Health Sciences, University of Crete, GR.
2005  PGCert International Course in Applied Epidemiology
Rollins School of Public Health, Emory University and CDC, USA.
2000  MSc Statistics & Operational Research
Department of Mathematical Sciences, Faculty of Science and Health, University of Essex, UK.
1998  BSc(Hons) Mathematics
Department of Mathematics, School of Sciences & Engineering, University of Crete, GR.
RESEARCH

Research interests focused around biostatistical and epidemiological principles and methods for designing, analysing and reporting clinical and epidemiological studies in acute care hospitals and other healthcare settings. Record of published research comprises mainly collaborative applied research, including prognostic factor studies, clinical prediction models, quasi-experimental time series studies, population-based studies of disease burden and complex sample surveys, systematic reviews and meta-analyses, and epidemiological surveillance studies with special interest in healthcare-associated infections, multi-drug resistant pathogens and antimicrobial drugs.

Bibliometric indices of published research works:
- Times cited > 1900; h-index = 24; i10-index = 34 (Google Scholar, since 2007).
- ISI/WoS normalized field-specific citation percentile median: 55th.
- 87% (53/61) first (n = 12), second (n = 24) or last (n = 17) authored publications.
- Cumulative 2022 journal impact factor > 370 (avg. = 6.6), n = 56 papers.
- Cumulative 2022 journal cite score > 570 (avg. = 10.0), n = 57 papers.
- 77% of papers published in 1st quartile (Q1, n =35) or 2nd quartile (Q2, n =12) ranked journals (WoS).
- 42 (69%) primary research studies, 12 (20%) systematic reviews & meta-analyses, 7 (11%) narrative reviews, editorials, tutorials and commentaries.

PUBLICATIONS LIST

(* denotes corresponding author)

Published in International Refereed Journals:


42. Karakonstantis S*, Kritsotakis EI. Systematic review and meta-analysis of the proportion and associated mortality of polymicrobial (vs monomicrobial) pulmonary and bloodstream infections by


24. Kritsotakis EI*. Re: Hormonal contraception use among teenagers linked to depression - Yet another example of a never ending confusion between relative and absolute risks? *British Medical Journal* (BMJ) 2016;354:i5289 (Published 9 November 2016). Available at: http://www.bmj.com/content/354/bmj.i5289/rr-1 (Letter to Editor)


In Refereed Collective Book Volumes:


Acknowledged Contributions as Collaborating Member in Large Research Groups:


Other publications:

- # Articles in peer-reviewed national journals (written in Greek): 1
- # Peer-reviewed abstracts with presentation in conferences, international: 36, national: 16
Main author of published research protocols and project reports: 12
International research protocols with acknowledged contribution in study groups: 2
Book reviews: 1
Text book editor: 1

**Funded Research Projects** (Selection)

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Funding source</th>
<th>Period</th>
<th>Role</th>
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<tbody>
<tr>
<td>Seroepidemiological survey of SARS-CoV-2 (COVID-19 infection) in the general population of Crete, Greece (Med. School, University of Crete)</td>
<td>Region of Crete, €100,000</td>
<td>2020-21 (May-Feb.)</td>
<td>Co-investigator</td>
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<tr>
<td>Multilevel analysis of regional variation in the prevalence of antimicrobial use in acute-care hospitals in Greece (Med. School, University of Crete)</td>
<td>University of Crete, €1,000</td>
<td>2020 (Jan.-Apr.)</td>
<td>Principal investigator</td>
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<td>Comparative systems review and thematic policy analysis of public health across the four constituent countries of the UK (ScHARR, University of Sheffield)</td>
<td>The Health Foundation (UK), £80,000</td>
<td>2017-18</td>
<td>Co-investigator</td>
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<tr>
<td>Design of a multicentre cohort study to assess the burden and impact of multidrug-resistant Gram-negative bacteria in critically ill patients in Istanbul, Turkey (ScHARR, University of Sheffield)</td>
<td>University of Sheffield Internal Prize, £2,000</td>
<td>2016-18</td>
<td>Principal investigator</td>
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<tr>
<td>EU point-prevalence survey of healthcare-associated infections and antimicrobial use in acute care hospitals 2011-12 and 2016-2017: Implementation in Greece (Med. School, University of Crete)</td>
<td>European CDC and Hellenic CDC (KEELPNO)</td>
<td>2015-17</td>
<td>National Coordination Team Member</td>
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<tr>
<td>RURAL: Identifying the environmental perception of the Cretan rural population and the parameters that shape it. (School of Agriculture, TEI of Crete)</td>
<td>Archimedes III OP, Greek Ministry of Education.</td>
<td>2013-15</td>
<td>Consultant Statistician</td>
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<tr>
<td>Cross-border Network of Epidemiologic Surveillance and Control of Hospital-Acquired Infections and Healthcare Quality Assurance in Crete-Greece and Cyprus (Med. School, University of Crete)</td>
<td>European Regional Development Fund (Interreg IIIA), €353,000</td>
<td>2007-08</td>
<td>Research Fellow</td>
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<tr>
<td>SAFE: Satellites for Epidemiology and Health Early Warning (Foundation for Research &amp; Technology Hellas - FORTH)</td>
<td>European Space Agency</td>
<td>2007</td>
<td>Research Associate</td>
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**Teaching**

2021-ong. **University of Athens, School of Medicine & Department of Mathematics**
Leading the core module on Survival Data Analysis on the MSc programme in Biostatistics and Health Data Science (co-teaching with Dr C. Thomadakis).

2019-ong. **University of Crete, School of Medicine**
Co-leading the core module of Biostatistics on the undergraduate BMed programme (with Prof. G. Chlouverakis), leading Biostatistics and Research Methodology on the MSc in Surgical Sciences, co-leading Biostatistics-I, Biostatistics-II (with G. Chlouverakis) on the Master of Public Health, Primary Care & Health Services (MPH). Guest lecturing on Research Methodology and Infectious Disease Surveillance, MPH programme.
2019-ongo. **University of Sheffield, School of Health and Related Research**
Guest lectures on *Epidemiology* and *Communicable Disease Control* on the Master’s programme in Public Health.

2014-18 **University of Sheffield, School of Health and Related Research**
Lead for the modules: *Introductory Statistics and Epidemiology* (MBChB programme), *Epidemiology-online* (Master of Public Health – Distance Learning), and *Introduction to Statistics for Clinical Research* (MSc Clinical Research). Teaching contributions in the modules: *Statistics and Critical Appraisal, Epidemiology, and Communicable Disease Control* (Master of Public Health and MSc in Clinical Research).

2004-14 **University of Crete, School of Medicine**
Developed and taught 12-hour seminar on data analysis using SPSS as part of the *Biostatistics* module (BMed programme), 2012-2014. Contributed to the teaching of *Surveillance of Infectious Diseases and Epidemiological Methods for Infectious Diseases* on the MSc in Public Health & Health Care Management, 2004-2010.

2001-13 **Technological Educational Institute of Crete, School of Health & Social Welfare**

2003-13 **Technological Educational Institute of Crete, School of Agricultural Technology**

2001-06 **Technological Educational Institute of Crete, School of Management and Economics**

2002-05 **Technological Educational Institute of Crete, Department of Informatics Engineering**

**SUPERVISION OF RESEARCH STUDENTS**

**PhD Students – Medical School (main supervisor):**


**PhD Students – Medical School (co-supervisor):**

2023-ongo. **Eirini Astrinaki**, RN, MSc. Assessing hand hygiene related quality indicators in public hospitals in Crete. School of Medicine, University of Crete. Supervisors: P. Ioannou (Main), E. Kritsotakis, D. Kofteridis.

2022-ongo. **Stamatios Kokkinakis**, MD, MSc. A multicenter comparison of surgical risk prediction tools for emergency laparotomies in Greece. School of Medicine, University of Crete. Supervisors: K. Lasithiotakis (main), E. Kritsotakis, E. Chryssos.


2021-ongo. **Andreas Kontogiannis**, MD. The profile of violent deaths in relation to major political-financial changes in the last 35 years: A forensic investigation in the Region of Crete. School of Medicine, University of Crete. Supervisors: E. Kranioti (main), C. Spiliopoulou, E. Kritsotakis.
2016-ong. Aristos Aristodimou, MD, MPH. Multicentre clinical epidemiology study of Leishmaniasis in Greece. School of Medicine, University of Crete. Supervisors: A. Gikas (main), M. Antoniou, E. Kritsotakis.

Master’s students – Biostatistics:

2022-23 Aikaterini Pastaka, BS Maths. Statistical inference for subpopulations in complex cross-sectional surveys with application in hospital epidemiology. MSc in Biostatistics, Medical School and Department of Mathematics, National and Kapodistrian University of Athens.

2022-23 Ioannis Xanthakis, BS Dentistry. Meta-analysis of the prognostic accuracy of clinical prediction models for ICU mortality. MSc in Biostatistics, Medical School and Department of Mathematics, National and Kapodistrian University of Athens.

2019-20 Theodora Machaira, BS Maths. Multilevel study of the geographical variation in the prevalence of antibiotic use in hospitals using hierarchical regression models. MSc in Biostatistics, Medical School and Department of Mathematics, National and Kapodistrian University of Athens. Full-text.

2017-18 Simon Appleton, BS Physics. Using competing risks and multi-state models to examine the risk of relapse in Diffuse Large B-Cell lymphoma patients. MSc in Statistics with Medical Applications, School of Mathematics & Statistics and School of Health & Related Research, Sheffield University.

2016-17 Guillermo Castilla Fernandez, BS Stats. Survival analysis for recurrent events: an application in hospital epidemiology. MSc in Statistics with Medical Applications, School of Mathematics & Statistics and School of Health & Related Research, University of Sheffield.

Master’s students - Public Health:

2021-22 Elisavet Geneiataki, BS Nursing. Severity of illness scoring systems for critically ill patients: an investigation of prognostic accuracy and clinical utility in patients treated in the Intensive Care Unit of the University Hospital of Heraklion. Postgraduate programme in Public Health, Primary Care & Health Services (MPH), School of Medicine, University of Crete. Full Text.

2021-22 Dimitra Lagoutari, BS Chemistry. Epidemiological investigation of temporal trends and patterns of antimicrobial resistance in clinically important nosocomial pathogens and their clinical impact on hospitalized patients in a general hospital in Crete over a 5-year period. Postgraduate programme in Public Health, Primary Care & Health Services (MPH), School of Medicine, University of Crete. Full Text.

2021-22 Maria Rousaki, BS Nursing. Prevalence of resistance of clinically important Gram-negative pathogens against the new antibiotic Cefiderocol: a systematic literature review and meta-analysis. Postgraduate programme in Public Health, Primary Care & Health Services (MPH), School of Medicine, University of Crete. Full-text.

2020-21 Yvonne Billa, BS Geology. A systematic review of the quality and consistency of evidence on the global seasonality of infections caused by Klebsiella species in hospitalised patients. Master of Public Health (MPH), School of Health and Related Research, Faculty of Medicine, Dentistry and Health, University of Sheffield.

2019-20 Maria Kostopoulou, BS Nursing. Systematic review of the global seasonality in healthcare-associated infections caused by Pseudomonas species. Postgraduate programme in Public Health, Primary Care & Health Services (MPH), School of Medicine, University of Crete. Full-text.

2017-18 Aigul Kozhageldiyeva, MD. Seasonality in Acinetobacter baumannii infections among hospitalised patients: a systematic review. Master of Public Health (MPH), School of Health and Related Research, Faculty of Medicine, Dentistry and Health, University of Sheffield.


2015-16 Aisha Idris, BS Pharm. HIV/AIDS-related stigma and treatment adherence in female HIV patients: a cross-sectional survey in northern Nigeria. Master of Public Health (MPH), School of Health and Related Research, University of Sheffield.
2010-11  Emmanouil Bolikas, BS Nursing. Prevalence study of nosocomial infections in a tertiary care hospital. Public Health & Health Care Management (MPH), School of Medicine, University of Crete. Co-supervised together with Prof. A. Gikas. Full-text.

PROFESSIONAL ACTIVITIES

Society Memberships:

- International Society of Clinical Biostatistics, Member since April 2016 (joined two ISCB committees).
- Royal Society for Public Health, Member (MRSPH) since Oct. 2022.
- European Society of Clinical Microbiology and Infectious Diseases, Basic member, since June 2019.
- Florey Institute for Host-Pathogen Interactions, Member of allied disciplines group, 6/2017-12/2018.

Editorial Boards:

- Public Health (The Royal Society for Public Health / Elsevier, Impact Factor 4.984), Associate Editor, appointed May 2022.
- Public Health in Practice (The Royal Society for Public Health / Elsevier), Member of Editorial Board, since March 2020.
- Antibiotics (MDPI, Impact Factor 5.222), Appointed Topic Editor December 2020. Guest Editor for the Special Issues:

Independent expert reviewer in international large-scale funding programmes:

- HORIZON-HLTH-2023-DISEASE-03-17, May-June 2023.

Independent expert reviewer in national-level funding programmes:

- Hellenic Foundation for Research and Innovation (ELIDEK), 5th Call for H.F.R.I. Scholarships to PhD Candidates, Greece, August-September 2023.

Statistical Reviewer – The Lancet journals:

- The Lancet Infectious Diseases [n=31],
The Lancet Regional Health – Western Pacific [n=19],
The Lancet Microbe [n=9],
The Lancet Regional Health – Europe [n=3],
The Lancet Regional Health – Southeast Asia [n=3],
The Lancet Child & Adolescent Health [n=2],

**Ad hoc expert reviews in international journals:**
- Research Square pre-publication platform, for Springer-Nature/BMC journals [n=46].
- Clinical Microbiology and Infection [n=13] - **acknowledged as a top reviewer in 2020.**
- Public Health [n=7]
- Journal of Antimicrobial Chemotherapy [n=3]
- International Journal of Antimicrobial Agents [n=3]
- American Journal of Infection Control [n=3]
- Public Health in Practice [n=3]
- BMC Infectious Diseases [n=2]
- British Medical Journal – Open (BMJ Open) [n=2]
- Epidemiology & Infection [n=2]
- Journal of Public Health [n=2]
- Medicina [n=2]
- Antibiotics [n=2]
- BMC Medical Research Methodology [n=1]
- Infection and Drug Resistance [n=1]
- Journal of Global Antimicrobial Resistance [n=1]
- Antimicrobial Resistance & Infection Control [n=1]
- Pathogens and Global Health [n=1]
- Pathogens [n=1]
- Journal of Zhejiang University Science B [n=1]
- Plos One [n=1]
- International Journal of Environmental Research and Public Health [n=1]
- Journal of Epidemiology and Global Health [n=1]
- EBioMedicine [n=1]
- International Journal of Critical Illness and Injury Science [n=1]


**Other international panels:**
- **ISCB Local Organising Committee**, 45th Annual Conference of the International Society for Clinical Biostatistics (ISCB), to be held in Thessaloniki, July 2024.
- **ISCB Student Award Committee**, International Society for Clinical Biostatistics (ISCB), since January 2023.
- **National Expert ECDC**, representing Greece at the **Train the trainers for ECDC point prevalence survey on healthcare associated infections and antimicrobial use in acute care hospitals in Europe**, Health Protection Agency UK and European Centre for Disease Prevention & Control, March 2011, **London**, UK.

**Wider community outreach activities:**
- *Hellenic Community of Sheffield*, Founding board member and treasurer. Organizing cultural and social events and supporting the Greek Language School of Sheffield, June 2016 – June 2017.

**INVITED TALKS CONFERENCES & SEMINARS**

21. *Common statistical pitfalls and errors in biomedical research (a top-5 list)*. 1st Seminar Series in Surgical Research, School of Medicine, University of Crete, **Heraklion**, Greece, June 10, 2023. SlideShare.


19. *Developing and validating statistical models for clinical prediction and prognosis to improve infection prevention and treatment*. Joint Seminar Series in Translational and Clinical Medicine organised by the University of Crete Medical School, the Institute of Molecular Biology and Biotechnology of the Foundation for Research and Technology Hellas (IMBB-FORTH), and the University of Crete Research Center (UCRC), **Heraklion** [online], Greece, April 7, 2021. SlideShare.

18. *How to survey Healthcare-associated Infections (HAIs): basic principles and methods*. Local course by the European Committee on Infection Control (EUCIC) in **Heraklion**, Crete, Greece, 4 - 6 April 2019.


16. *Analyzing and reporting prevalence data (practical seminar using Epi-Info)*. Local course by the European Committee on Infection Control (EUCIC) in **Heraklion**, Crete, Greece, 4 - 6 April 2019. Slides.


13. *Carbapenem–resistant gram-negative bacterial infections: Global epidemiology, challenges and threats*. Joint Research & Development Seminar, Department of Infectious Diseases and Microbiology and Department of Public Health, Bezmialem Vakif University, **Istanbul**, Turkey, September 27, 2016. SlideShare (updated talk).
12. Impact of carbapenem resistance on clinical and economic outcomes of ICU patients: preliminary analysis of BVU Hospital data. Research Presentation, Department of Infectious Diseases and Microbiology, Bezmialem Vakif University Hospital, Istanbul, Turkey, September 26, 2016.

11. Carabapenem-resistant gram-negative bacterial infections: Global epidemiology, treatment options and outcomes. Research & Development Seminar, Department of Laboratory Medicine, Northern General Hospital, Sheffield, UK, September 15, 2015.

10. An overview of the spread of Carabapenem–resistant gram-negative pathogens in Europe and the nationwide epidemics in Greece. Research & Development Seminar, Infectious Diseases Unit, Royal Hallamshire Hospital, Sheffield, UK, June 19, 2015.


6. Surveillance of nosocomial infections – Methods and interpretation of results. 1st annual conference with international participation “Current Progress in Infectious Diseases” (Medical School AUTH & Hellenic Society for Infectious Diseases), Thessaloniki, Greece, December 5, 2008.


1. Developing a surveillance system to monitor the use of antimicrobial agents in hospitals. 1st Pan-Hellenic Conference on Hospital Pharmaceutics (Panhellenic Association of Hospital Pharmacists), Heraklion, Greece, May 12, 2005.

OTHER ADMINISTRATIVE ROLES

2019-ong. University of Crete, School of Medicine
- Member of the Coordinating Committee of the MSc in Public Health, Primary Care & Health Services, March 2019 – ong.
- Member of the Medical School’s Postgraduate Teaching Committee, Oct. 2022 – ong.
- Member of the Internal Evaluation Committee (ΟΜ.Ε.Α.), Sep. 2019 – May 2022.
- Member of the General Assembly Board, academic years 2020-21, 2022-23.

2014-18 University of Sheffield, School of Health and Related Research (ScHARR)
● Member of the Committee for Public Health Teaching in the Medical School (2014 – 18).

2007-08  Technological Educational Institute of Crete, Department of Social Work
● Member of the Teaching Evaluation Internal Committee.

MORE INFORMATION

Profiles:
● https://evangelos-kritsotakis.webnode.gr/
● Medical School, University of Crete
● ScHARR, University of Sheffield
● ResearchGate, Linkedin, Kudos

Identifiers:
● ORCID: 0000-0002-9526-3852
● Web of Science: R-2276-2016
● Scopus Author ID: 9242853500
● Google Scholar: bEsrTzwAAAAJ