EVLANGELOS I. KRITSOTAKIS, PhD, FHEA, CStat

Brief Academic CV

School of Medicine, University of Crete, Voutes Campus, 71003 Heraklion, Crete, Greece
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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, School of Health & Related Research, Faculty of Medicine, Dentistry & 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 / Scientific & Lab Collaborator 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.
Professional 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

My research focus is on statistical and epidemiological principles and methods for the design and analysis of clinical research in healthcare epidemiology. My record includes population-based studies of disease burden, prognostic research and clinical prediction models, quasi-experimental time series studies, systematic reviews, meta-analyses and epidemiological surveillance designs with special interest on healthcare-associated infections, multi-drug resistant pathogens and antimicrobial drugs.

Bibliometric indices:
- Papers in international refereed journals and collective volumes: n = 46 (cum. impact factor: 167).
- First, second or last – author papers: n = 38 (83%).
- Times cited > 1340; h-index = 21; i10-index = 27 (Google Scholar, since 2007).

PUBLICATIONS

(*= corresponding author)

In International Refereed Journals:


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 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 poster presentation in conferences, international: 30, national: 12
- # Main author of research protocols and project reports: 8
- # International research protocols with acknowledged contribution in study groups: 2
- # Book reviews: 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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<tr>
<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>
</tr>
<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>
</tr>
<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 (co-teaching with C. Thomadakis).

2019-ong. University of Crete, School of Medicine
Co-leading the core module of Biostatistics on the undergraduate BMed programme (co-teaching with G. Chlouverakis), leading Biostatistics and Research Methodology on the MSc in Surgical Science, leading Biostatistics-I and co-leading Biostatistics-II on the Master of Public Health, Primary Care & Health Services (MPH programme). Guest lecturing on Research Methodology (MPH) and Infectious Disease Surveillance (MPH programme).

2019-21 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 Introductory Statistics and Epidemiology (MBChB), Lead for Epidemiology-online (Master of Public Health – Distance Learning), Lead for Introduction to Statistics for Clinical Research (MSc Clinical Research) and teaching contributions to Statistics and Critical Appraisal, Epidemiology, and Communicable Disease Control (Master of Public Health, 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), 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
Biostatistics, Department of Nursing, 2008-13 (module lead), Statistics, Department of Social Work, 2007-13 (module lead), Statistics with SPSS, Department of Social Work, 2004-07 (lab coordinator & tutor), Biometry, Department of Nursing, 2001-03 (module lead).

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:

2022-ong. 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.

2022-ong. Georgia Petra, MD, MSc. A prospective observational comparative analysis of preoperative malnutrition screening tools in general surgery. School of Medicine, University of Crete.
Supervisors: K. Lasithiotakis (main), E. Kritsotakis, E. Chryssos.

2021-ong. 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.

2019-ong. Stamatios Karakonstantis, MD, MRes. Epidemiology, prognosis and treatment of XDR/PDR Gram-negative infections. School of Medicine, University of Crete.
Supervisors: E. Kritsotakis (main), A. Gikas, G. Chamilos.

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:**


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. Co-supervisor: A. Vaporidi.

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.

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.

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.


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.


2010-11  **Emmanuel 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 by Prof. A. Gikas. Access [Full-text](#).

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**Professional Activities**

**Society Memberships:**
- *International Society of Clinical Biostatistics*, Member, since April 2016.
- *Florey Institute for Host-Pathogen Interactions*, Member of allied disciplines group, 6/2017-12/2018.

**Editorial Boards:**

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*Kritsotakis EI, short CV, February 2022*
Kritsotakis EI, short CV, February 2022


Independent expert reviewer in international large-scale funding programmes:

Independent expert reviewer in national-level research funding programmes:

Statistical Reviewer – The Lancet journals:
- The Lancet Infectious Diseases [n=29],
- The Lancet Microbe [n=8],
- The Lancet Regional Health – Western Pacific [n=8],
- The Lancet Regional Health – Europe [n=2],
- The Lancet Child & Adolescent Health [n=2],
- The Lancet EBioMedicine [n=1].

Ad hoc expert reviews in international journals:
- Journal of Antimicrobial Chemotherapy [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]
- BMC Medical Research Methodology [n=1]
- International Journal of Antimicrobial Agents [n=1]
- Infection and Drug Resistance [n=1]
- Pathogens and Global Health [n=1]
- Journal of Global Antimicrobial Resistance [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]
- International Journal of Critical Illness and Injury Science [n=1]
- Research Square pre-publication platform, for Springer-Nature/BMC journals [n=34].

Publons record: https://publons.com/author/1173633/evangelos-kritsotakis

Other international panels:


- **Member of Organizing Committee**, International Conference “*New Developments in the Prevention and Control of Infections in Healthcare Settings*”, 30-31 May 2008, Nicosia, Cyprus.

### INVITED TALKS, CONFERENCES & SEMINARS

20. *Surveillance of healthcare-associated infections: understanding and utilizing basic epidemiological measures and statistical methods*. Scheduled at the EUCIC Basic Module for Infection Prevention and Control, organized by the European Committee on Infection Control (EUCIC), European Society of Clinical Microbiology and Infectious Diseases, Groningen, Netherlands. To be held 31 May 2022.


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.

17. *Point Prevalence Survey (PPS): organizational issues, preparation and data collection*. Local course by the European Committee on Infection Control (EUCIC) in Heraklion, Crete, Greece, 4 - 6 April 2019.

16. *Analysing 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.


14. *Epidemiological methods and data collection guidelines for the 2nd National Prevalence Study of Nosocomial Infections and Antibiotic Use in Greek Hospitals*. Online Meeting, jointly held by the Hellenic Center for Disease Control & Prevention and the Infection Control Unit of the University of Crete, Heraklion, Greece, November 16, 2016.

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.

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.


**OTHER ADMINISTRATIVE ROLES**

2019-ong. **University of Crete, School of Medicine**
- Member of the Coordinating Committee of the MSc programme in Public Health, Primary Care & Health Services, March 2019 – ong.
- Member of the Internal Evaluation Group (ΟΜ.Ε.Α.), Sep.2019 – ong.

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/](https://evangelos-kritsotakis.webnode.gr/)
- Medical School, University of Crete
- SCHARR, University of Sheffield
- ResearchGate, LinkedIn, Publons, Kudos

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- ORCID: 0000-0002-9526-3852
- WoS ResearcherID: R-2276-2016
- Scopus Author ID: 9242853500
- Google Scholar: bEsrTzwAAAAJ