

Marianna DIOMIDOUS

Associate Professor in Epidemiology

Laboratory: Clinical Epidemiology Sector: Public Health

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TEACHING

Undergraduate

1. Epidemiology, 2nd semester

Postgraduate

1. Epidemiology and Public Health, 1st semester, Inter-University Postgraduate Program "Healthcare Management - Health Informatics"
2. Epidemiology, 2nd semester, Inter-University Postgraduate Program "Healthcare Management - Health Informatics"
3. Public Health and Social Parameters having an impact on Health 2nd semester, Inter-University "Healthcare Management - Health Informatics"

EDUCATION

Doctoral Diploma:

1. Doctoral Degree with the title "Development of an Educational Software with the use of Multimedia for the teaching of Epidemiology and Psychiatric Nursing", Faculty of Nursing, University of Athens, Grade Excellent.
2. Doctoral Degree with the title "Frequency and Consequences of the Infestation of Nematodes Helminthes in the soil of Macedonia", with Grade Excellent awarded from the Medical School of the University of Athens in cooperation with the national school of Public Health.

Postgraduate Diploma:

1. Summer Course Certificate in "Advanced Epidemiology and Statistics", Erasmus University, Rotterdam, Netherland.
2. Master in Health Informatics, Faculty of Nursing, University of Athens, Grade Excellent.
3. Master of Public Health, University of California Berkley, USA, Grade Excellent.
4. Master in Health Services Administration, University of Southern California, USA, Grade Excellent.

First Degree:

1. Degree in Medicine, University of Bologna, Italy, Grade Excellent.
2. University Nursing Degree, Grade Excellent.

RESEARCH INTERESTS

1. Epidemiology
2. Public Health
3. Health Informatics
4. Health Administration-Health Management

RESEARCH PROGRAMMES

1. **PH-ELIM (Enhancement of study programs in Public Health Law, Health Management, Health Economics and Health Informatics in Montenegro).** Enhancement of study programs in Public Health Law, Health Management, Health Economics and Health Informatics in Montenegro (PH-ELIM)" is an Erasmus + project fostering cooperation among Institutes and Universities in Germany, Montenegro, Greece, Austria and Hungary. Key project goals are to enhance and modernize the educational system in ME in accordance with common EU best practices, provide education of public health professionals at all levels making them highly competent

to support nation in creating sustainable and flexible healthcare system, deliver effective healthcare services and protect citizens against health threats, all by cost-effective and straightforward approach.

2. **RN4CAST (Registered Nurse Forecasting)**. Organizations who participated in RN4CAST gathered data from nursing staff, asking about characteristics of the nursing job. These data have been explored in terms of health outcomes and patient satisfaction. Aim of this multicenter study was to examine the nursing profile and the way nursing job is related to health outcomes, in European context.
3. **COASTWATCH** (Leader of this European Programme for the Epidemiological Study of the Environmental Pollution).
4. **Hellenic Central Health Council-KESY** (Scientific Manager on the Epidemiological Study concerning the Contraceptive's Use by the Greek General Population).
5. **Hellenic Central Health Council-KESY** (Scientific Manager of a Scientific Program for the Development of an Information Guide regarding Health-Services to HIV-Patients).
6. **UNE CIA** Scientific Manager of a Program concerning the Public Information and the Protection of Public Health for AIDS in Collaboration with a Consortium of English/UK Universities.
7. **IT-EDUCTRA** Scientific Consultant into a Scientific Program for the Development of an Educational Logismic for the Training of Health-Care Professionals.
8. **Kapodistrias Programme** Informatics Program for the Epidemiological Study of The Farmer's Primary Health-Care (Scientific Coordinator).
9. **TELENURSING** (Research Program for the Codification of Nursing Practices)
10. **A General Architecture for Medical Experts Systems**
11. **EUCLIDES**. A European Standard for the Transmission of Clinical Laboratory Data between Independent Information Systems.
12. **ERASMUS MSc in Health Informatics**
13. **COMETT** (Research Program for the Development of Educational Material in Health Informatics with the Use of Innovative Technology)-Computer Assisted Instruction and Multimedia.
14. **KABP (Knowledge Attitude Behavior Project)**-Epidemiological Study for the Evaluation of Knowledge Attitudes & Beliefs and Sexual Behavior of the Athenian Population regarding AIDS/HIV) under the guidance and funding of WHO and the Hellenic Ministry of Health
15. **AIDS Public Education in Europe** (Consortium for the Development of Prevention Programs regarding AIDS). This program coordinated from the London School of Hygiene and Tropical Medicine and was funded by the E.U.)
16. **EURODIABETA**. A research project on the Information Systems as they apply to Diabetes.
17. **AIDS-NGO's**. Participation in a Research Program for the Development of an NGO Network for AIDS in Europe.
18. **Hellenic Central Health Council-KESY** Participation in a Research Program regarding the Exchange of Information between Clinical Laboratories.
19. **TELENURSING-ID** (Second Phase of a Research Program regarding the Codification of Nursing Practices).
20. **WISECARE**. WISECARE project focuses on the use of telematics technology for clinical & resource management in oncology care in hospitals. The purpose of the WISECARE was to evaluate the impact of nursing on the quality of patient care in Europe, to systematically use clinical nursing data from electronic patient records for clinical & resource management.
21. **COAST - PHASE (A)**: Development of Education Material for the Simulation of Distinctive Health Subjects
22. **COASTER - PHASE (B)**: Implementation of Education Material for the Simulation in the Health Domain.
23. **NIGHTINGALE**. Period of Project: 1996-1999. The NIGHTINGALE Project is essential in planning & implementation of strategy in Training the Nursing Profession in using & applying healthcare information systems. The NIGHTINGALE Project is

contributing towards the appropriate use of the developed Telematics infrastructure across Europe by educating & training nurses in a harmonizing way across Europe in the upcoming field of Nursing Informatics.

24. **Galen in Use:** Scientific Program for the Codification of Medical Terms and Interventions.
25. **AIDS HOME CARE:** Scientific Program for the Provision of Health-Care Services into Patients/Carers of AIDS-HIV.
26. **HEALTHLINE.** Program for the on-line healthcare provision.
27. **TOMELO** Scientific Program for the Creation of Algorithms concerning the Codification of Medical Actions.
28. **FRR (Friendly Rest Room).** Friendly Rest Room is an EU project which aims at making toilet facilities better suited for older people & people with disabilities. It also involves research to define user parameters for design and development. Many elements of the FRR (seat, grab bars, etc.) are individually adjustable to meet the needs of persons with different functional limitations or disabilities.
29. **Med Skills.** During the three years of the project, there has been developed a database with evidence based guidelines for clinical procedures, aiming to provide a free open source for nursing practice, towards the Standardization of clinical practices across Europe.
30. **EIPEN.** The prime objective of the EIPEN project was to develop a European Union network to develop and share evidence based education and training practices for the interprofessional collaboration as well as methods and material for the improvements of collaborative practices in healthcare and social work.
31. **EUNetPaS** aimed to develop an active network of all 27 EU Member States with a central objective to encourage and enhance their collaboration in the field of Patient Safety. Specifically, EUNetPaS seeks to promote a culture of Patient Safety, structure education and training in Patient Safety, propose a core European curriculum for Patient Safety in higher education and as part of continuing education, implement reporting and learning systems and finally pilot implement Medication Safety.

SCIENTIFIC PUBLICATIONS

1. Zimeras S., Diomidous M. Survival Models in Computer Virus. **Stud Health Technol Inform.** 2018;251:320-322.
2. Karampela I., Tzortzis E., Nikolopoulos M., Dalamaga M., Diomidous M., Armaganidis A. A Hospital Information System Application May Facilitate Staff Compliance with Quality Protocols in a Medical Unit: A Case Study. **Stud Health Technol Inform.** 2018;251:203-206.
3. Zimeras S., Diomidous M. Computer Virus Models - The Susceptible Infected Removed (SIR) Model. **Stud Health Technol Inform.** 2018;251:75-77.
4. Bizopoulou A., Magnita A., Chardalias C., Koutonias P., Diomidous M. Health Professionals Information for Diagnostics Related Groups (DRGs) with the Use of a Website. **Acta Inform Med.** 2017 Sep;25(3):195-197
5. Chardalias K., Magnita A., Andrianopoulos C., Koutonias P., Kefaliakos A., Diomidous M. Continuous Education in Community Nursing with the Use of Health Informatics. **Stud Health Technol Inform.** 2017;238:269-271.
6. Diomidous M., Chardalias K., Koutonias P., Magnita A., Andrianopoulos C., Zimeras S., Mechili E.A. Relational Algebra in Spatial Decision Support Systems Ontologies. **Stud Health Technol Inform.** 2017;238:243-245.
7. Pistolis J., Zimeras S., Chardalias K., Roupa Z., Fildisis G., Diomidous M. Investigation of the Impact of Extracting and Exchanging Health Information by Using Internet and Social Networks. **Acta Inform Med.** 2016 Jun;24(3):197-201.
8. Pistolis J., Diomidous M., Zimeras S., Chardalias K., Filntisis G. Examine Trustiness of Medical Information Through Social Networks Using Path Models. **Stud Health Technol Inform.** 2016;226:287-289.
9. Pliakos I., Kefaliakos A., Diomidous M. mHealth in Chronic Pain Assessment: Present and Future. **Stud Health Technol Inform.** 2016;226:260-263.

10. Tsioumanis V., Magnita A., Diomidous M. Applications and Developments of Telemedicine in Greece. **Stud Health Technol Inform.** 2016;226:253-255.
11. Kefaliakos A., Pliakos I., Diomidous M. Managing the Quality of Life in Patients with Multiple Sclerosis: A Literature Review. **Stud Health Technol Inform.** 2016;226:220-1. Review.
12. Kefaliakos A., Pliakos I., Chardalias K., Charalampidou M., Diomidous M. Smoking Cessation: Services and Applications for Mobile Devices. **Stud Health Technol Inform.** 2016;226:217-219. Review.
13. Kefaliakos A., Pliakos I., Charalampidou M., Diomidous M. Wireless Monitoring for Patients with Cardiovascular Diseases and Parkinson's Disease. **Stud Health Technol Inform.** 2016;226:87-90.
14. Kefaliakos A., Pliakos I., Kiekkas P., Charalampidou M., Diomidous M. Virtual Reality in the Rehabilitation of Patients with Neurological Disorders. **Stud Health Technol Inform.** 2016;226:45-47. Review.
15. Diomidous M., Chardalias K., Magita A., Koutonias P., Panagiotopoulou P., Mantas J. Social and Psychological Effects of the Internet Use. **Acta Inform Med.** 2016 Feb;24(1):66-68.
16. Perdiaris C., Chardalias K., Magita A., Mechili A.E., Diomidous M. Social Networks and Health. **Stud Health Technol Inform.** 2015;213:267-268.
17. Trachanatzis T., Mechili A.E., Diomidous M. Staffing and Educational Level of Military Hospital Personnel in Relation to Patients' Satisfaction from the Provided Health Care Services. **Stud Health Technol Inform.** 2015;213:213-215.
18. Nakos G., Magita A., Mechili A.E., Diomidous M., Mantas J. The Empowerment of Patients with Mental Conditions and Addictions through e-Health. **Stud Health Technol Inform.** 2015;213:210-212.
19. Mechili A.E., Kalokairinou A., Kaitelidou D., Diomidous M. Greece Financial Crisis and Quality of Life. **Stud Health Technol Inform.** 2015;213:207-209.
20. Mpizopoulou K., Mpizopoulou Z., Magita A., Mechili A.E., Diomidous M., Mantas J. Health Professionals Information for Diagnostics Related Groups (DRGs) with the Use of a Website. **Stud Health Technol Inform.** 2015;213:126-127.
21. Zimeras S., Mechili A., Diomidous M. A Decision Support System Platform for Spatial Epidemiology. **Stud Health Technol Inform.** 2015;213:87-88.
22. Chorianopoulou A., Lialiou P., Mechili E.A., Mantas J., Diomidous M. Investigation of the quality and effectiveness of telemedicine in children with diabetes. **Stud Health Technol Inform.** 2015;210:105-109.
23. Griffiths P., Dall'Ora C., Simon M., Ball J., Lindqvist R., Rafferty A.M., Schoonhoven L., Tishelman C., Aiken L.H.; RN4CAST Consortium. Nurses' shift length and overtime working in 12 European countries: the association with perceived quality of care and patient safety. **Med Care.** 2014 Nov;52(11):975-981.
24. Kefaliakos A., Pliakos I., Kalokerinou A., Papadimitriou M., Mechili A., Diomidous M. The use of telemedicine in patients with multiple sclerosis. **Stud Health Technol Inform.** 2014;202:320. Review.
25. Kefaliakos A., Pliakos I., Kalokerinou A., Mechili A., Diomidous M. ROBOT - Assisted Rehabilitation in Patients After Stroke. **Stud Health Technol Inform.** 2014;202:316. Review.
26. Pliakos I., Kefaliakos A., Kalokerinou A., Al-Fantel K., Mechili A., Diomidous M. m-Health: Integration of Mobile Phones and Applications for a Better Healthcare System. **Stud Health Technol Inform.** 2014;202:315.
27. Gioka S., Kefaliakos A., Ioannou A., Mechili A., Diomidous M. Hospital based Treatment for Internet Addicts. **Stud Health Technol Inform.** 2014;202:279-282. Review.
28. Zimeras S., Diomidous M., Kefaliakos A., Zogas S., Al-Fantel K., Mechili A. Epidemiological Indexes in Healthcare based on Social Cost Factors. **Stud Health Technol Inform.** 2014;202:273-274.

29. Ponirou P., Diomidous M., Kalokairinou A., Mantas J., Tsimahidou C., Tzavara C. Health Related Quality of Life in a Sample of Older People who are Members of Open Care Centers for the Elderly. **Stud Health Technol Inform.** 2014;202:269-272.
30. Mechili A., Zimeras S., Al-Fantel K., Diomidous M. The use of geographical information system in health sector. **Stud Health Technol Inform.** 2014;202:185-188.
31. Provatari E., Karampelas V., Diomidous M., Mantas J. Nursing oncology hospital information system and nursing care. **Stud Health Technol Inform.** 2014;202:131-133.
32. Argyri P., Kostagiolas P., Diomidous M. A survey on information seeking behaviour of nurses at a private hospital in Greece. **Stud Health Technol Inform.** 2014;202:127-130.
33. Ponirou P., Diomidous M., Mantas J., Kalokairinou A., Kalouri O., Kapadochos T., Tzavara C. Evaluating a Health Educational First aid Program with the Implementation of Synchronous Distance Learning. **Stud Health Technol Inform.** 2014;202:56-59.
34. Aiken L.H., Sloane D.M., Bruyneel L., Van den Heede K., Griffiths P., Busse R., Diomidous M., Kinnunen J., Kózka M., Lesaffre E., McHugh M.D., Moreno-Casbas M.T., Rafferty A.M., Schwendimann R., Scott P.A., Tishelman C., van Achterberg T., Sermeus W; RN4CAST consortium. Nurse staffing and education and hospital mortality in nine European countries: a retrospective observational study. **Lancet.** 2014 May 24;383(9931):1824-1830.
35. Zikos D., Diomidous M., Mpletsa V. The effect of an electronic documentation system on the trauma patient's length of stay in an emergency department. **J Emerg Nurs.** 2014 Sep;40(5):469-475.
36. Ausserhofer D., Zander B., Busse R., Schubert M., De Geest S., Rafferty A.M., Ball J., Scott A., Kinnunen J., Heinen M., Sjetne I.S., Moreno-Casbas T., Kózka M., Lindqvist R., Diomidous M., Bruyneel L., Sermeus W., Aiken L.H., Schwendimann R; RN4CAST consortium. Prevalence, patterns and predictors of nursing care left undone in European hospitals: results from the multicountry cross-sectional RN4CAST study. **BMJ Qual Saf.** 2014 Feb;23(2):126-35.

BOOKS

1. Public Health Lexicon. Sarajevo: Avicena; 2018.
2. Diomidous M. Epidemiology and Public Health in Nursing Science. Nicosia: Broken Hill; 2014.
3. Diomidous M. Basic Epidemiology. Athens: Medical Publishing Pashalidis; 2009.
4. Diomidous M. Public Health Nursing: Scope and Practice Standards. Athens: Medical Publishing Pashalidis; 2009.
5. Evaluation of Healthcare Services. Athens: Department of Nursing; 1998.
6. Educational material of the postgraduate course "Introduction to Health Sciences".
7. Health Concepts (chapter of the Textbook in Health Informatics, A Nursing Perspective).
8. Epidemiological Study Designs (chapter of the Textbook in Health Informatics, A Nursing Perspective).
9. Health Care Systems (chapter of the Textbook in Health Informatics, A Nursing Perspective).

ORGANIZATIONAL AND ADMINISTRATIVE ACTIVITIES

1. Research Programs' Evaluator in European Union, 1996-1997
2. National Health Education Committee, 1988-1989
3. President of Panhellenic Association of Doctors with Specialty of the Ministry of Health, 1987-1989
4. Commission for Receiving the Information System of the 15 Hospitals of Greece, 1992-1993.
5. National Demography Committee, 1988-1989.

MEMBERSHIP IN SCIENTIFIC and PROFESSIONAL ASSOCIATIONS

1. Greek Microbiological Association
2. Medical Association of Athens
3. Panhellenic Medical Association
4. Hellenic Public Health Association
5. Hellenic Society for the Cooperation of Health Scientists
6. Greek Nursing Studies Association
7. Hellenic Society for the Study of AIDS and Sexually Transmitted Diseases
8. Hellenic Society for the Study of AIDS
9. International Cancer Research Society
10. International Society for the Protection and Promotion of Health
11. International Epidemiology Association
12. ESNE (Hellenic Nurses Association)

SOCIAL ACTIVITIES

1. Hellenic Society for the Support of AIDS Carriers: "ELPIS"
2. Member of the General Council of the voluntary organization of "Odigismos" of the Region of Magnesia (Central Greece)
3. Vice-President of the voluntary organization "Friends of the Monastery of Panagia Gorgoypicoos"

HONORARY AWARDS

1. Axios Foundation Award, ΗΠΑ