

EMERGING INFECTIOUS DISEASES - PUBLIC HEALTH PRIORITIES – SUMMARY

Author: Conf Dr. Adriana Pistol

University of Medicine and Pharmacy "Carol Davila" București

The purpose of the elaborated thesis is to present my professional and scientific evolution as proof of my professional maturity, which would allow me to obtain the qualification and guide doctoral students in the field.

Education:

I was born in Bucharest and I graduated from the Fundeni Sanitary High School in 1981. Since childhood, I wanted to become a doctor and as a result, I followed this route also through the high school I graduated from. I graduated from the Faculty of General Medicine of UMF "Carol Davila" in Bucharest in 1988. Because of taking the secondary (residency) exam in October 1990, I chose to specialize in the field of epidemiology. I passed the medical specialist exam in 1994 and took the senior doctor exam in 1998 in the Bucharest university center. Between 2000 and 2002, I completed the Master's studies in "Management of public health and health services" of UMF "Carol Davila".

Academic career

In September 2021, I held the promotion competition for the teaching position of university **associate professor at the Discipline of Public Health and Management**, Faculty of Medicine, UMFCU.

In 2022, since I managed to form a team of university assistants, I requested, with the support of the head of department, the creation of the discipline of epidemiology within the Preclinical Department 3, a discipline that I currently lead as **head of discipline**. In the discipline of Public Health and Sanitary Management, I held courses for both Romanian and foreign students (in English) in their fifth year of study, for each series, regarding "Communicable diseases - public health problem; Surveillance and control systems".

I held courses, in both years of study, at the master's program "Operational Research in the Management of Medical-Social Services and Public Health", as follows:

- Morbidity indicators used in the epidemiology of communicable diseases
- The epidemiological process; Surveillance of communicable diseases

- Investigation of an outbreak/epidemic
- Reporting communicable diseases; Early warning and rapid response system
- Vaccinology
- Vaccine-preventable diseases and their complications
- Healthcare-associated infections (HAIs)
- Quality plan and audit; Risk management
- Oral communication

With the establishment of the Epidemiology II discipline within the preclinical Department 3, the courses related to the epidemiology module were added to students in the 6th year of study, in accordance with the newly approved discipline sheet for the 2022-2023 academic year.

After the appearance of the Order of the Minister of Health no. 3.262 of October 19, 2022 for the approval of the organization and operation of a pilot program to vaccinate the population against seasonal flu at the level of community pharmacies, I organized and coordinated the *training course "Vaccination against seasonal flu at the level of community pharmacies"* consisting of 25 hours of training theoretical and 5 hours of practice, in collaboration with the discipline Epidemiology I, a continuous professional education course of which two sessions have already been held during the months of November and December 2022.

Professional path

1988-1991 – Internship

1991- 1994 - Training in the specialty of epidemiology

1994-1999 - Bucharest Public Health Directorate - specialist doctor, senior epidemiologist

1999- 2004 – Ministry of Health – General Directorate of Public Health and State Sanitary Inspection

2005- 2021 – National Institute of Public Health – National Center for Surveillance and Control of Communicable Diseases – Director

2010-2014 - National Institute of Public Health – acting Director General

December 2021-present – State Secretary, Ministry of Health

Recognition for the work done:

Order of Health Merit in Knighthood, in 2010, Presidential Decree no. 419 of 04/06/2010

Order of Sanitary Merit in Officer Grade, in 2021, Presidential Decree no. 1,134 of 25.11.2021

Summary of scientific activity

The topic of the doctoral thesis was "Clinical and epidemiological characteristics of the influenza A H1N1 virus pandemic in Romania", scientific leader Prof. Dr. Adrian Streinu Cercel, the confirmation was carried out by the order of the Minister of Education and Research no. 3181/06.02.2015.

During my doctoral studies, I published a number of 5 scientific articles, 4 of which as the main author.

The main commissions, working groups of which I was a part are:

- The expert groups responsible for the elaboration of technical points of view on the topics under debate at the community level for the fields (from 2005-present)
- Epidemiology and surveillance of communicable diseases – technical group coordinator;
- Epidemic and Pandemic Influenza Surveillance and Control – Member o
- Vaccination - member o Committee on serious cross-border threats to health according to Decision 1082/2013/EU – member
- Member of the National Vaccinology Committee between 2008-2014 and 2023
- President of the Commission of the Ministry of Health for clinical and epidemiological management of COVID 19 in 2020
- Member of the technical-scientific interministerial group on the management of highly pathogenic diseases on the territory of Romania - 2016 (Ebola) – present
- Member of the Commission of the Ministry of Health for the verification of the way of reporting the deaths of COVID 19 -2021
- Member of the National Committee for the Coordination of Activities regarding vaccination against SARS CoV 2 (CNCAV), coordinator of the medical group
- Vice-president in the Epidemiology Commission of the National Council of the Romanian College of Physicians, designated by Decision no. 11 of 11.03.2022

- President of the Joint Central Residency Commission for the November 2022 session, approved by Joint Order MS/ME no. 2906/6073 of 05.10.2022.

The results of scientific activity consist of the publication of a number of 33 scientific articles in ISI indexed journals with an impact factor, of which 10 as the main author and 11 scientific articles in journals indexed in international databases, over 40 abstracts, oral and poster presentations in indexed conference volumes, a chapter in an e-book and 17 monographs.

My main research topics were:

1. Seroepidemiological studies in order to evaluate the immunological level in the general population and in population groups at risk for infectious diseases preventable by vaccination (e.g. infection with the SARS CoV-2 virus, measles, rubella, mumps, hepatitis type A, B and C)
2. Descriptive and analytical epidemiology studies for the description of epidemics caused by severe respiratory diseases (influenza, SARS-CoV-2), other vaccine-preventable diseases (measles, rubella) and diseases transmitted by vectors (West Nile virus infection)
3. Studies to assess the economic burden and impact on mortality from severe infectious diseases (influenza and severe acute respiratory syndrome, measles)
4. Epidemiological studies on subpopulations – healthcare-associated infections with *Clostridoides difficile*, antibiotic resistance
5. Studies of vaccination attitudes and practices among the population

Throughout my university career, I will consider the fundamental principles of the national higher education system, namely academic freedom, student-centeredness, quality assurance, equity, public responsibility and independence of ideologies.