

Ankündigung: Intensive Course Managerial Epidemiology

By Prof. Dr. Eduardo J. Simoes
University of Missouri



- Täglich vom 3. bis zum 7. Juni 2024
- Anrechenbar mit 6 ECTS für alle Modulbereiche im Master GÖ!!
- Spannende Inhalte (s.u.) von einem Native Speaker in Englisch



Intensive Course Managerial Epidemiology (July 3-7, 2024)

Course Objectives:

1. To understand the epidemiological, demographical, and statistical principles that are critical to population health, including population growth, social determinants of health, risk factors, causal association (epidemiological study designs), measure of event occurrence in the population and its distribution.
2. To apply these principles to management of population health through health assessment, risk stratification and prioritization of actions for underlying, catchment and service populations.
3. To understand the principles of health systems strategies to successful management of population health.

The course increases the student's skills in:

- Measurement of population growth
- Measurements and indicators of risk, incidence density and prevalence.
- The analyses of trends and patterns in the occurrence of health events in the population.
- Risk stratification techniques and variation in healthcare.
- Techniques of health prioritization.

Lecturer:

Managerial Epidemiology

June 3-7, 2024

University of Bayreuth, Faculty of Law, Business & Economic

Eduardo J. Simoes, MD, MSc, MPH, DLSHTM

Visiting Professor – Instructor

Graduate Teaching Assistant: Isabell Schedel

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Despite technological advances in health care delivery and socio-economics improvements, the health of populations in many developed and underdeveloped countries is poor compared to most OECD economies.

The concept of population health provides a framework to assess health needs and demands, prioritize resources, and select strategies to improve health of individuals and communities. The chosen strategies should increase quality of care while reducing cost, thus providing value to patients and providers. These aims, broadly applied to a community without distinction of sub-populations or boundaries imposed by healthcare services, compose the mission of public health programs. Same aims, when more narrowly applied to the ‘catchment’ population of a health system, be it government-based or private sector entity, compose the pillar of population health concept for healthcare systems.

The *purpose* of this course is to provide students with a better understanding of theories, concepts, and tools in four critical areas of managerial epidemiology:

1. Population health and its determinants.
2. Collecting and summarizing evidence for decision and practice of healthcare.
3. Managing population health – Translating evidence into practice.
4. Achieving high quality, low cost, and high value and in health care.

The *emphasis* of the course is on the use of managerial epidemiology in the health care field. The *focus* is on applying epidemiological analysis and management techniques to population and health care data, problems, and issues necessary to make decisions to improve population and individual patient’s health. This course should build upon previous knowledge of health and health care principles and strategies by applying them specifically to the management of population health.