elevate your health knowledge

Study Design in Etiologic Research

offered by the MSc Epidemiology Program
of the UMC Utrecht and Utrecht University

This course is a core component of any Master´s degree in Epidemiology, and is also key to being able to follow specialized online medical courses in epidemiology. Its aim is for you to learn about the principles and practice of cohort, case-control and cross-sectional studies. We will discuss design, data collection and outcome measures, as well as the major advantages and disadvantages of the different study designs. The emphasis will be on the application of study design in etiologic research.

This online health course focuses on the more classical approach but also addresses modern concepts and design options, such as case-cohort designs. Various other study designs will also be discussed, with an emphasis on validity issues.

Learning objectives

- √ Explain the principles, design and validity aspects of a cohort study, a case-control study and a cross-sectional study
- √ Interpret the measures of frequency and association from cohort, case-control and cross-sectional studies
- √ Calculate the corresponding measures of frequency and association and explain these calculations
- √ Explain the methods of data collection in the different study designs
- √ Explain the specific aspects of study design in veterinary epidemiology as compared to human epidemiology
- √ Appraise scientific abstracts and papers on the choice of study design and debate the relevant validity aspects
- √ Design an appropriate study to be used in a specific situation or to answer an etiologic study question

Visit our course page to find out more about this course.

For whom?

- √ (Bio)medical researchers
- √ Medical doctors
- √ PhD candidates
- √ Pharmacists
- √ Policy makers and managers

Facts

- √ 3 ECTS
- √ 9 Oct 2017 to 19 Nov 2017
- √ Online
- √ 14 hrs/week workload
- √ 1.285 Euros
- √ English
- √ Web lectures, exercises, group discussions

You may be also interested in

- √ Modern Methods in Data Analysis
- √ Classical Methods in Data Analysis

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MSC EPIDEMIOLOGY