



## Advanced Topics in Causal Research offered by the MSc Epidemiology Program of the UMC Utrecht and Utrecht University

This online medical course will address two important topics in causal epidemiologic research, namely confounding and effect modification. These topics will be discussed in the context of both etiologic research and observational intervention research. Effect modification and confounding are difficult concepts to understand and often mixed up. In this course the theory as well as the practical side of these issues will be discussed.

One particular problem in causal research is that the observed relation between a determinant and an outcome is attributed to that determinant, while in fact the observed relation should be attributed to another variable. This form of bias, often referred to as confounding, is central in this course.

### Learning objectives

- ✓ Understand the concept of confounding
- ✓ Understand the different methods to determine whether there is confounding and to adjust for confounding
- ✓ Understand the concept of effect modification
- ✓ Understand the different ways to present effect modification in a paper and can derive information on effect modification from published studies
- ✓ Understand the difference between effect modification and confounding

[Visit our course page](#) to find out more about this course.

### For whom?

- ✓ Researchers
- ✓ Medical Doctors

### Facts

- ✓ 29 Jan to 18 Feb 2018
- ✓ 1,5 ECTS
- ✓ Online
- ✓ 14 hrs/week workload
- ✓ 785 Euros
- ✓ English
- ✓ Web lectures, individual assignments, group assignments

### You may be also interested in

- ✓ [Systematic Reviews in Diagnostic Research](#)
- ✓ [Advanced Diagnostic Research](#)



Utrecht University



UMC Utrecht



MSc  
EPIDEMIOLOGY