



Systematic Reviews in Diagnostic Research offered by the MSc Epidemiology Program of the UMC Utrecht and Utrecht University

In this course we discuss and practice the methods to assess the methodological quality of primary diagnostic test accuracy studies (QUADAS-2 instrument), the statistical models to meta-analyze the paired measures of test accuracy (bivariate meta-regression model of sensitivity and specificity), and how to critically read and interpret the findings of systematic review of diagnostic studies.

The course consists of plenary presentations, small-group discussions, and computer exercises using the statistical software package R. It is one of the online medical courses that is part of the [MSc Epidemiology Postgraduate Online Program](#).

Learning objectives

- ✓ Appreciate the diversity of test usage and study designs
- ✓ Understand potential risk of bias and concerns regarding applicability
- ✓ Understand the concept underlying approaches to meta-analysis
- ✓ Explore heterogeneity and compare test accuracy
- ✓ Create different types of analysis (in RevMan and Stata)
- ✓ Summarize results and draw appropriate conclusions

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

For whom?

- ✓ Researchers
- ✓ Medical Doctors
- ✓ Policy makers/Regulatory bodies
- ✓ Specialists involved in Cochrane

Facts

- ✓ 1,5 ECTS
- ✓ Online
- ✓ 14 hrs/week workload
- ✓ 785 Euros
- ✓ English
- ✓ Web lectures, individual assignments, group assignments

You may be also interested in

- ✓ [Introduction to Statistics](#)
- ✓ [Prognostic Research](#)



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