

# Health (micro) Econometrics

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## Content

This course provides an overview of the econometric methods for health economics, including qualitative and limited dependent variable, survival analysis, count data models and panel data methods. The emphasis of the course is on the use of individual level data and microeconomic techniques for health data problems. Practically all the course examples and illustrations are based on health economics data and work out with STATA.

## Objectives of the course

- Deeper knowledge of microeconomic methods with applications.
- Critical reading of applied papers in health economics and related areas
- Development of a short empirical replication using (preferable) health data

## Requirements

Introductory Econometrics and Statistics

## Preliminary Outline

1. Introduction: microeconomics for health data
2. Qualitative & Limited Dependent variable models
3. Survival analysis
4. Count data model for demand analysis
5. Introduction to Panel data models
6. Introduction to Frontier analysis

## Basic References

- Baltagi, B.H. (2007), *Econometric Analysis of Panel Data*, 4<sup>th</sup> edition, John Wiley
  - Cameron and Trivedi. 2009. *Microeconometrics using Stata*. Stata Press.
  - Colin Cameron and Pravin K. Trivedi *MICROECONOMETRICS: Methods and Applications* Cambridge University Press, New York, May 2005
  - Andrew Jones, *Health Econometrics*, North Holland Handbook in Health Economics
  - Jones A, N Rice, T Bago d'Uva and S Balia. *Applied Health Economics*, London: Routledge, 2007.
- + Class notes