

## Meta-analysis: Advanced methods using the Stata software

Lausanne, September 12 to 14, 2018

**Registration deadline: 1 July 2018 at the latest**

This 3 days course is dedicated to the statistical meta-analysis method, which is the key to quantitative data synthesis within the framework of a systematic review.

Targeting primarily researchers and authors of systematic reviews, it will use the Stata software and tackle in detail the methodological and statistical elements that will enable the participants to deepen their knowledge of the meta-analysis technique.

It will be preceded by a one day Stata training (11 September 2018). This training is mandatory for those who are new to Stata and highly recommended for participants wanting to freshen up their knowledge of Stata.

### Objectives:

- Understand and carry out the meta-analysis statistical concepts.
- Master and apply the Stata software commands necessary to conduct a meta-analysis.

### Target audience:

- Researcher, author (or future author) of systematic review in medicine and healthcare, with prior basic knowledge in the fields of systematic reviews, clinical epidemiology, evidence-based medicine and healthcare, and statistics.
- Group of maximum 20 participants.

### Prerequisites:

- Participation to a course on systematic reviews or equivalent (certificate).
- Command of the STATA software.
- Some knowledge of biostatistics (calculation of mean, variance, proportions; odds ratio, risk ratio; correlation, regression).
- Knowledge of research methodology (study designs, bias, risk measures).
- **Participants use their own computer. They will have downloaded the Stata software, Version 15, which is included in the course price. They will receive the link to their access code per email, once their registration is confirmed, prior to the course.**
- Good command of written English.

### Contents:

Tuition includes exercises allowing the participants to practice the concepts presented during the course.

### Course responsibility:

Dr. Patrick Taffé, Statistician, Institute of social and preventive medicine (IUMSP), CHUV and Lausanne University (Switzerland).

**Duration:** *Meta-analysis:* 3 days course, 12-14 September 2018, approx. 9h00- 17h15  
*Stata:* 1 day course: 11 September 2018, 8h15-17h00

**Place:** *Stata course:* 11 September 2018, Room EST, La Ferme, Epalinges  
12 September 2018, Salle Delachaux, IUMSP, Biopôle 2, 01/149  
13-14 September 2018, Room EST, La Ferme, Epalinges

**Participation fee:**

*Meta Analysis Course:* CHF 1400.00 (Cochrane authors CHF 750.00, students CHF 550.00), coffee breaks, course documentation, one evening meal and Stata software included.

*Refresher Stata:* CHF 200.00 (CHUV) or CHF 300.00 (non-CHUV).

The registration fee must be settled at **least three weeks prior to the course** by means of the invoice that will be sent to all candidates having received a participation confirmation.

**Any withdrawal within three weeks** before the course is subject to a **cancellation charge** amounting to **50% of the registration fee**. The **entire fee remains due to Cochrane Switzerland** in the case of a withdrawal within a **week prior** to the course.

**Certificate:**

A certificate of attendance will be issued to participants having completed the course.

**Enquiries :**

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**Note:**

Reference books:

- Introduction to Meta-Analysis ; M. Borenstein et al ; Wiley
- Cochrane Handbook for Systematic Reviews of Interventions ; Higgins, Green ; Wiley

**Conditions:**

Participants will receive a confirmation.

**We reserve the right to cancel the course in the case of insufficient registrations.**

We also reserve the right to refuse a registration if the candidate's profile does not match the prerequisites.