Evidence Synthesis Methods

Facilitators
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Description
This intensive course will cover all basic and advanced aspects of synthesis of evidence from studies addressing questions of treatment, prognosis and diagnosis.

The course will start with the principles and practical steps of systematic reviews, including the design and conduct of comprehensive literature searches, data extraction and presentation, assessment of study quality and examination for publication bias and other biases. It will then move to more advanced topics of multivariate meta-analysis, network meta-analysis and meta-analysis of prognostic and diagnostic studies. Statistical methods for combining results in meta-analysis will be detailed and the course will include practical exercises in Stata and R.

Objectives
By the end of this course participants will understand the role and potential of evidence synthesis methods and will be able to undertake a systematic review and meta-analysis.

Dates
Mon, Sep 16 – Fri, Sep 20, 2019

Eligibility
This course is aimed at researchers in the field of epidemiology or other quantitatively-minded medical researchers who want to understand and undertake evidence syntheses. Participants are expected to have a basic understanding of the design, analysis and strengths and weaknesses of clinical trials and epidemiological studies and must be statistically literate, including a good understanding of linear regression. Computer practical will use R or Stata packages requiring basic experience with one of the two software.
Course Structure
The course will include lectures, pen and paper exercises, group work and computer practicals. Participants will have to read several papers and book chapters before the course and may continue working on the practicals after the course.

Assessment
exam

Credits
2 ECTS
Preparation Work: 15 h, Contact: 30 h, Follow-up work: 5 h
(1 ECTS corresponds to appr. 25-30 hours workload)

Location
ISPM Bern, Mittelstrasse 43, 3012 Bern, Room 320

Course Fees
SSPH+ PhD Students 30.- CHF (processing fee)
PPHS PhD Students 30.- CHF (processing fee)
External MD/PhD Students 600.- CHF
External Academics 1700.- CHF
Others 2500.- CHF
(The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300.- CHF, 850.- CHF or 1250.-CHF, respectively)

Registration
Please register online on our website

Deadline
Aug 16, 2019

Max. Attendance
20

SSPH+ PhD Program:
Program Coordination Ann Walser
Academic Lead Prof. Matthias Egger
Prof. Thomas Abel

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