

Evidence Synthesis Methods

Facilitators

Prof. Georgia Salanti, Prof. Matthias Egger
Institute of Social and Preventive Medicine, University Bern

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.

SSPH+PhD Program:

Program Coordination Ann Walser

Academic Lead Prof. Matthias Egger
Prof. Thomas Abel

Contact:

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PhD Program in Public Health

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	<p>2 ECTS</p> <p>Preparation Work: 15 h, Contact: 30 h, Follow-up work: 5 h</p> <p>(1 ECTS corresponds to appr. 25-30 hours workload)</p>										
Location	ISPM Bern, Mittelstrasse 43, 3012 Bern, Room 320										
Course Fees	<table border="0"> <tr> <td>SSPH+ PhD Students</td> <td>30.- CHF (processing fee)</td> </tr> <tr> <td>PPHS PhD Students</td> <td>30.- CHF (processing fee)</td> </tr> <tr> <td>External MD/PhD Students</td> <td>600.- CHF</td> </tr> <tr> <td>External Academics</td> <td>1700.- CHF</td> </tr> <tr> <td>Others</td> <td>2500.- CHF</td> </tr> </table> <p>(The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300,- CHF, 850,- CHF or 1250,-CHF, respectively)</p>	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
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Registration	Please register online on our website										
Deadline	Aug 16, 2019										
Max. Attendance	20										

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