**7 – 9 April 2022
Hall in Tirol, Austria**

3-DAY CERTIFIED UNIVERSITY COURSE

Registration Fee

▪ Course fee academic/public . . . . Euro 1,450
  Early booking fee until 21 February 2022 *Euro 950*

▪ Course fee commercial . . . . Euro 2,950
  Early booking fee until 21 February 2022 *Euro 2,450*

▪ Discounts
  Group Registrations – Save 15 %
  Register with three or more colleagues and save!
  Alumni – Save 20 %
  UMIT TIROL Alumni or if you have previously participated in
  a Continuing Education Program Course on HTADS, you are
  eligible for a discount on this course.

Course fee includes course materials and course certificate. Cer-
tificates will be provided to all participants. You can earn 5 ECTS
credits if you successfully complete the online exercises, actively
participate during the attendance period of the course and pass
the online exam.

**Registration for this course can be made online.
Payment details and cancellation policy are available
on www.htads.org**

Contact & Course Location

**Continuing Education Program on
HTA & Decision Sciences (HTADS)**

**Institute of Public Health, Medical Decision
Making and HTA**

**UMIT – University for Health Sciences,
Medical Informatics and Technology**

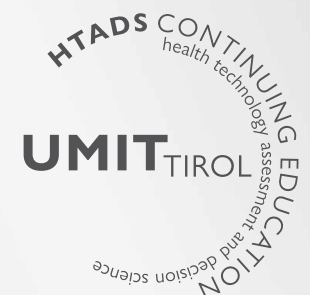Eduard-Wallnoefer-Zentrum 1, 6060 Hall i.T., Austria
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Advanced Systematic Reviews and Meta-Analysis
online

HTADS CONTINUING EDUCATION
health technology assessment and decision science

UMITTIROL

What is the Continuing Education Program on Health Technology Assessment & Decision Sciences (HTADS)?

Prof. Uwe Siebert, MD, MPH, MSc, ScD
HTADS Program Director

Health Technology Assessment (HTA)

has been defined by the International Network of Agencies for HTA (INAHTA) as "a multidisciplinary field of policy analysis studying the medical, economic, social, and ethical implications of development, diffusion and use of health technologies (e.g., drugs, devices, surgical procedures, prevention techniques)". In conducting HTA, the discipline of decision sciences has become increasingly relevant.

Decision Science (DS)

is the application of explicit and quantitative methods to analyze decisions under conditions of uncertainty (e.g., meta-analysis, decision-analytic modeling, cost-effectiveness analysis). In recent years, HTA and DS have become very important to health care policymakers. In order to keep pace with these developments, the UMIT TIROL – HTADS Program was designed to provide excellent quality education and comprehensive training in the key issues of HTA and DS for anyone involved in the health sector. The course faculty is drawn from leading international experts from universities, industry, HTA agencies and representatives from other relevant areas who are committed to provide independent teaching of state-of-the-art principles.

Further HTADS Courses

Modeling Approaches for HTA:
A Practical Hands-on Workshop
3-Day Certified University Course, 08 – 10 September 2021

Autumn School in Clinical Epidemiology
5-Day Certified University Course, 13 – 17 September 2021

Scientific Reporting and Writing
3-Day Certified University Course, 15 – 17 November 2021

Causal Inference for Assessing Effectiveness in Real World Data and Clinical Trials
5-Day Certified University Course, 31 January – 4 February 2022

Course Faculty

Prof. Daniela Schmid, PhD, MSc
Head, Division for Quantitative Methods in Public Health and Health Services Research, Department of Public Health, Health Services Research and HTA, UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

Lisa M. Hess, PhD, MSc
Research Advisor, Global Patient Outcomes, Eli Lilly and Company/ Indiana University, USA

Alan Brnabic, MSc
Chair of the Australian Pharmaceutical Biostatistics Group, Principal Research Statistician, Real-world Analytics, Eli Lilly and Company, USA

Marjan Arvandi, PhD, MSc
Senior Scientist, Institute of Public Health, Medical Decision Making and HTA, Department of Public Health, Health Services Research and HTA, UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

Prof. Thomas A. Trikalinos, MD, PhD
Professor of Health Services, Policy & Practice and Biostatistics Director, Center for Evidence Synthesis in Health, Department of Health Services, Policy & Practice and Biostatistics, Brown University School of Public Health Providence, RI, USA

Lukas Schwingshackl, PhD, MSc
Senior Researcher, Institute for Evidence in Medicine, Faculty of Medicine and Medical Center, University of Freiburg, Freiburg, Germany, Cochrane Germany, Cochrane Germany Foundation, Freiburg, Germany

Target Audience

The three-day virtual meta-analysis course for health professionals is designed to provide an introduction to advanced methods for conducting meta-analyses. Topics covered include frequentist and Bayesian meta-analysis, meta-regression, subgroup analyses, and methods to investigate heterogeneity, as well as methods network for meta-analysis and diagnostic accuracy, and the role of meta-analysis in clinical guideline development, HTA, and decision making. The course will be interactive and practical, with a mixture of lectures and hands-on tutorials. Computer exercises will be conducted.

Course Description

The overall aims of this course are to enable participants:

▪ To understand the steps to developing a meta-analysis, including defining the research question, extracting the data, choosing the appropriate analytic method, and reporting the results

▪ To develop and implement an analysis plan, including determining the outcome and effect measure to be used, selecting between fixed and random effects models, assessing heterogeneity, bias, and study quality

▪ To understand differences between Bayesian and frequentist approaches and to be able to select the appropriate method

▪ To understand the principles of indirect treatment comparisons and to carry out network meta-analysis

▪ To understand the principles of combining diagnostic test accuracy and to conduct meta-analysis of diagnostic studies

▪ To review the required elements for publication of a meta-analysis

▪ To evaluate the role of meta-analysis in health technology assessment

Participants should have some basic knowledge on systematic reviews and meta-analysis.
Course language is English. Both native and non-native English speakers are welcome.