



**6 - 8 JUNE 2013
HALL IN TYROL,
AUSTRIA**

**FIFTH 3-DAY CERTIFIED COURSE
HTADS CONTINUING EDUCATION PROGRAM**

Modeling Approaches for HTA: A Practical Hands-on Workshop

UMIT

Institute of Public Health, Medical Decision
Making & Health Technology Assessment
university for health sciences
medical informatics and technology
the health & life science university



Programs for Assessment of Technology
in Health (PATH), Research Institute
Hamilton, Ontario, Canada

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 – 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.

Further HTADS Courses

- ▶ **6-Day Certified Course** Winter School in Clinical Epidemiology, 28 January - 2 February 2013
- ▶ **4-Day Certified Course** Introduction to Health Technology Assessment, 6 - 9 March 2013
- ▶ **Master Program** in Health Technology Assessment, Evidence-based Health Care and Decision Science

www.umat.at/htads

Course Faculty

▶ Prof. Uwe Siebert, MD, MPH, MSc, ScD

Professor of Public Health (UMIT), Adjunct Professor of Health Policy and Management (Harvard University)
Chair, Institute of Public Health, Medical Decision Making and, Health Technology Assessment, UMIT – University for Health Sciences Medical Informatics and Technology, Austria

▶ Prof. Ron Goeree, MA

Director, Programs for Assessment of Technologies in Health (PATH) Research Institute
Professor in the Department of Clinical Epidemiology and Biostatistics, McMaster University, Canada

▶ Mirjam Kretzschmar, PhD

Associate Professor Theoretical Epidemiology, Julius Centre for Health Sciences & Primary Care, University Medical Centre Utrecht, Project leader Surveillance, Center for Infectious Disease Control, RIVM, The Netherlands

▶ Gord Blackhouse, BComm, MSc., M.B.A.

Research Associate, PATH Research Institute, Canada
Assistant Professor Department of Clinical Epidemiology and Biostatistics, McMaster University, Canada

▶ Beate Jahn, PhD

Senior Scientist, Institute of Public Health, Medical Decision Making and HTA, UMIT, Austria and ONCOTYROL – Center for Personalized Cancer Medicine, Innsbruck, Austria

Target Audience

The 3-Day Certified Course in Modeling Approaches for HTA is created for members of:

- ▶ Healthcare & health policy organizations, national HTA agencies
- ▶ Pharmaceutical & medical device industry
- ▶ Academia and research institutions
- ▶ Health insurances/sickness funds
- ▶ Consultancy organizations

Course Description

▶ 3-Day Practical Hands-on Workshop

There are a number of other modeling courses focusing on either theory or only selected modeling approaches. In contrast, our course combines theoretical concepts with practical hands-on exercises comprising five different modeling techniques applied in Public Health and HTA. Real world case examples from different acute and chronic diseases will be discussed.

▶ Day 1

- ▶ Modeling overview and taxonomy
- ▶ Decision trees, state-transition and Markov models
- ▶ Handling uncertainty and variability

▶ Day 2

- ▶ Microsimulation models
- ▶ Discrete event simulation models
- ▶ Handling individual behavior and waiting lines

▶ Day 3

- ▶ Infectious disease models
- ▶ Handling dynamic transmissions and herd immunity
- ▶ Other modeling approaches (e.g., agent-based models, system dynamics models, causal inference models, biologic systems models)

For this course, basic knowledge of spreadsheet programs (e.g., MS Excel) is recommended. Experience in other software tools used in the workshop (e.g., TreeAge, Arena, Berkeley Madonna) is not required. The course language is English.

Funded in part by the Canadian Agency for Drugs and Technologies in Health (CADTH).

Registration

Registration for this course can be made online (www.umat.at/htads) or by fax.

Registration Fee

- ▶ Course fee academic/public..... Euro 1950.00
before April 11 2013..... Euro 1550.00
- ▶ Course fee commercial..... Euro 3850.00
before April 11 2013..... Euro 2950.00

▶ Discounts

Group Registrations – Save 15%

Register with three or more colleagues and save!

Students/Alumni – Save 20%

If you have previously participated in a Continuing Education Program Course on HTADS, you are eligible for a discount on selected future programs.

Course fees include a comprehensive syllabus, an extensive binder with background material and a course certificate, but not accomodation.

Payment details and cancellation policy are available at www.umat.at/htads

Certificates will be provided to all participants.

You can earn 3 ECTS credits if you pass the exam at the end of the course.

Further ECTS credits can be earned within our Certificate Program in Health Technology Assessment and Decision Science (HTADS).

Course Location

UMIT Campus
Eduard Wallnoefer Center I
A-6060 Hall i. T. (close to Innsbruck),
Austria

Contact

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
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Further information about this and other UMIT courses of the
HTADS Program are available at our website: www.umit.at/htads

Quotes from Recent Participants

"Very good overview of different modeling approaches, good number of theory and practical input"

"Huge review of modeling techniques"

"High level"

"Very good tutorials"

"Individual assistance during the exercise sessions"

"very professional"

"high quality of the course"