



**27 – 29 MAY 2010, UMIT,
HALL IN TYROL, AUSTRIA**

**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



PATH Programs for Assessment
of Technology in Health, 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 Sciences (DS)**

Decision Sciences (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.

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**

4-Day Certified Course: Introduction to Health Technology Assessment, 17 – 20 February 2010, UMIT, Hall i. T., Austria
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, PATH Research Institute

Associate 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, MBA, MSc**

Research Associate, PATH Research Institute, Canada

▶ **Beate Jahn, PhD**

Senior Scientist, Institute of Public Health, Medical Decision Making and HTA, UMIT, 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 influence 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.

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Registration

Registration for this course can be made online (www.uit.at/htads/modeling) or by fax (the registration form in PDF format is available on our website).

Registration Fee

- ▶ Course fee academic/public Euro 1950.00
before 28 Feb 2010 Euro 1550.00
- ▶ Course fee commercial Euro 3850.00
before 28 Feb 2010 Euro 2950.00

Course fees include a comprehensive syllabus, an extensive binder with background reading material, course certificate, snacks and lunch, but not accommodation.

Payment details and cancellation policy are available on www.uit.at/htads/modeling

Certificates will be provided to all participants.



Course Location

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

Contact

Continuing Education Program on
HTA & Decision Sciences (HTADS)

Institute of Public Health, Medical Decision Making and HTA
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Further information about this and other UMIT courses of the
HTADS Program are available on our website: www.umat.at/htads

The same course will be offered in North America by PATH
Research Institute, Canada. For further information on PATH
workshops see: www.path-hta.ca