

## Registration Fee

- **Course fee academic/public** ..... Euro 1,980  
Early booking fee until 2 August 2021 Euro 1,480
- **Course fee commercial** ..... Euro 3,850  
Early booking fee until 2 August 2021 Euro 2,850
- **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 fees include a comprehensive syllabus, an extensive binder with background reading material, course certificate, snacks and lunch, but not travelling and accommodation. Certificates will be provided to all participants. You can earn 5 ECTS credits if you pass the exam at the end of the course.

**Registration for this course can be made online. Payment details and cancellation policy are available on [www.htads.org](http://www.htads.org)**

***In case of international travel restrictions, the courses will be organized as synchronous online courses.***

## Quotes from Recent Participants

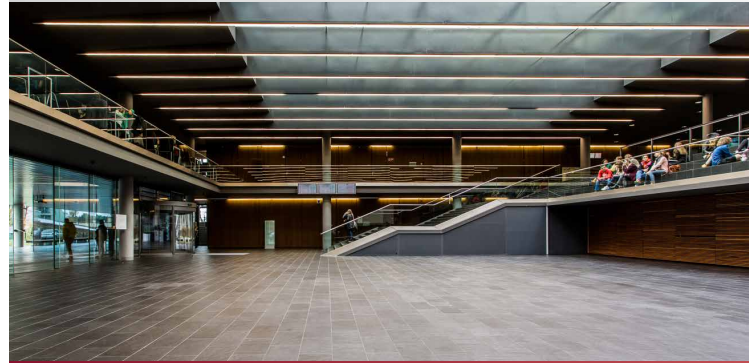
*"Didactical structure, group interactions"*

*"Very vivid presentation styles, comprehensive materials"*

*"Very applicable. Lots of examples, not just theory. Motivation by the lecturers"*

*"All instructors were engaging and very responsive to questions"*

*"Excellent to start from conceptual and historic considerations to evolve to more technical aspects"*



**13 - 17 September 2021  
Hall in Tirol, Austria**

**5-DAY CERTIFIED UNIVERSITY COURSE**

## 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**

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# Autumn School in Clinical Epidemiology



# 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. 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.

## Target Audience

The 5-Day Certified University Course in Clinical Epidemiology 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

Clinical epidemiology is the application of epidemiologic principles and methods to problems encountered in public health and clinical medicine. It provides important information for clinicians and health policy decision makers in order to identify risk factors for diseases and to determine optimal preventive, diagnostic and therapeutic strategies for individuals and populations. This course covers the key elements and methods of clinical epidemiology and combines theoretical concepts with practical applications using real world case examples. Participants will develop a study design as group exercise.

### Day 1: Introduction to Public Health & Epidemiology

Overview of public health areas and methodological approaches, key epidemiological concepts, disease frequency & effect measures, study designs, bias, causal inference

### Day 2: Risk & Treatment Prognosis

Determinants of disease, disease risk, prospective cohort study, risk function, prognosis studies, retrospective cohort study, Kaplan Meier curve, Cox-regression models

### Day 3: Treatment Efficacy & Safety

Randomized clinical trial, design options, analysis of clinical trial, case-control study

### Day 4: Study Design & Diagnosis

Presentation of study design, diagnostic studies, Bayes theorem

### Day 5: Decision Analysis in Public Health & Medicine

Types of decision models, clinical decision analysis, cost-effectiveness analysis

## Course Faculty

### Prof. Albert Hofman, MD, PhD

Stephen B. Kay Family Professor of Public Health and Clinical Epidemiology,  
Chair, Dept. of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, Massachusetts (USA)

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

Professor of Public Health (UMIT), Adjunct Professor of Epidemiology and Health Policy & Management (Harvard University), Past-President of the Society for Medical Decision Making (SMDM), Chair, Dept. of Public Health, Health Services Research and HTA,  
UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

### Ass.-Prof. Priv.-Doz. Mag. Dr. Ursula Rochau

Head, Program on Personalized and Precision Medicine,  
Dept. of Public Health, Health Services Research and HTA,  
UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

## Further HTADS Courses

### Modeling Approaches for HTA: A Practical Hands-on Workshop

3-Day Certified University Course, 8 – 10 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

### Advanced Systematic Reviews and Meta-Analysis - ONLINE

3-Day Certified University Course, 7 – 9 April 2022

### Introduction to Health Technology Assessment

4-Day Certified University Course, TBD 2022