

Friday 15 December 2023 10:30 – 15:30

Symposium - The next step in HTA: from evaluation to optimization of value (English)

University of Twente - TechMedCentre, Auditorium TL 1133

Evaluation of the impact and added value of new technologies and interventions in healthcare is crucial to support decision-making for sustainable healthcare. However, this added value typically depends directly on how interventions are used: in which context, for which individuals, how frequent, for how long, and in which intensity. Consequently, evaluation of a single application is not sufficient to maximize the impact of interventions. Instead optimization should be applied to determine under which conditions, and for which application, interventions have maximum added value. While impact optimization can contribute to healthcare sustainability it will typically increase the complexity of HTA analyses. In this HTA symposium experts will illustrate opportunities and methods for, and challenges, of impact optimization, in case studies covering a wide range of research questions and disease domains.

## Program

10:30	11:00	Walk-in with coffee & tea	
11:00	11:15	Welcome and opening – Prof.dr. Erik Koffijberg	
<b>Session 1</b>		Chair - Dr. Michelle Kip	
11:15	11:45	<p><b>Markov Decision Processes as a way to structure optimization problems in health economic decision making: a case study concerning treatment duration in depression</b></p> <p>Different optimization problems in health economic decision may be structured as a Markov Decision Process. In this presentation, the MDP approach is explained, including challenges introduced by optimization rather than comparing of strategies, using a case study.</p> <p><b>Talitha Feenstra, PhD</b> Associate professor, Groningen Research Institute of Pharmacy, Faculty of Science and Engineering, University of Groningen &amp; Senior researcher RIVM, Bilthoven</p>	
11:45	12:15	<p><b>Optimizing cancer screening and surveillance: challenges in multi strategy comparisons</b></p> <p>To support the optimization of screening programmes model-based multi-strategy comparisons with up to thousands of strategies may be simulated. In this presentation, a number of challenges and practical solutions will be presented to account for the substantial uncertainty and also integrate the perspectives of multiple stakeholders.</p> <p><b>Prof. dr. Veerle Coupé</b> Professor of Medical Decision Making in Cancer Care and Prevention Chair Decision Modeling Center, Dept. of Epidemiology &amp; Data Science, Amsterdam UMC.</p>	
12:15	13:00	<b>Lunch break</b>	
<b>Session 2</b>		Chair – Dr. Sopany Saing	
13:00	13:30	<p><b>Exploratory, participatory and adaptive technology-specific modeling to inform optimal use of innovative medical technology</b></p> <p>Many healthcare technologies can be used for a broad group of patients with varying indications and varying purposes. In this presentation an exploratory, participatory and adaptive technology-specific modeling approach will be presented that can inform decisions on which indications to prioritize in order to maximize value for money.</p> <p><b>Janneke Grutters, PhD</b> Associate professor, department for Health Evidence, Radboud university medical center.</p>	

13:30	14:00	<p><b>Modelling treatment sequences in oncology: choices, challenges and opportunities</b></p> <p>The number of treatment options is increasing rapidly. Supporting reimbursement decisions requires models that can compare long-term effectiveness of multiple, sequential treatments. In this presentation modelling experiences on aspects such as performing scenario and sensitivity analysis, presentation and validation of the results will be shared.</p> <p><b>Hedwig Blommestein, PhD</b> Associate professor, Erasmus School of Health Policy &amp; Management, Erasmus University.</p>	
14:00	14:15	<b>Coffee &amp; Tea break</b>	
<b>Session 3</b>		Chair – Dr. Xavier Pouwels	
14:15	14:45	<p><b>Treating the right patient, at the right time, at the right location: Context dependent modeling of acute stroke in The Netherlands</b></p> <p><i>Optimizing acute care delivery necessitates the correct use of scarce capacity within regional care networks. An example on how modeling approaches can facilitate evaluation of innovations in acute stroke care will be provided and discussed.</i></p> <p><b>Maarten M.H. Lahr, PhD</b> Senior Researcher, University Medical Center Groningen Department of Epidemiology, University of Groningen Aletta Jacobs School of Public Health.</p>	
14:45	15:15	<p><b>Cost-Effectiveness of Automated External Defibrillator Deployment using Optimization Algorithms</b></p> <p><i>The cost-effectiveness of automated external defibrillators (AEDs) depends on how often and how quickly they are connected to a cardiac arrest victim. Therefore, determining their optimal locations is essential when assessing the added value of purchasing (more) AEDs.</i></p> <p><b>Robin Buter, MSc</b> PhD student, Center for Healthcare Operations Improvement &amp; Research, Faculty of Behavioural, Management and Social Sciences, University of Twente.</p>	
15:15	15:25	Closing - Dr. Xavier Pouwels	

[Registration link for HTA Symposium](#)

[Route to the symposium on campus at the TechMed Centre \(Technohal\)](#)

**Inaugural lecture – Prof. dr. Erik Koffijberg**

**Impact van digitale zorginnovaties: Optimalisatie door simulatie (in Dutch)**

Friday December 15 – University of Twente – Building Waaier, Prof.ir. M.P. Breedveld-zaal

15:00	16:00	Walk-in with coffee & tea
16:00	17:00	Inaugural lecture
17:00		Reception

[Registration link for Inaugural lecture Prof.dr.ir. Erik Koffijberg](#)

[Contact & route | Route & campus map | Home \(EN\) \(utwente.nl\)](#)