

10th SPINE Summer School 2024

Establishing value-for-money of healthcare interventions

Basel, August 19-22 (Monday-Thursday), 2024

In an era of limited resources, the need for cost-responsible decision-making in healthcare is more crucial than ever. Health-economic assessments play a pivotal role in evaluating a wide range of interventions, including drugs, medical technologies, nursing and allied health interventions, preventive or screening programs, and system and workforce changes.

To ensure reliable valuations of these interventions, thorough comparative analyses are essential. Such analyses consider the costs involved, immediate and downstream, as well as their consequential impact, such as changes in health states, improved nurse-patient ratios, social implications, or potential gains in life-years.

Valuation in health-economic assessment employs diverse methodologies, including statistical approaches like survival analysis, network meta-analysis or regression methods. These methodologies are often integrated into trials or mathematical decision-analytic models such as decision trees, Markov state transition models, or discrete choice models. While health-economic evaluation may seem complex, understanding its fundamental concepts is key.

Economic evaluations provide a quantitative framework to assess the benefits and trade-offs associated with the funding of interventions. By conducting these evaluations, decision-makers gain valuable insight into the potential impacts on health outcomes, the healthcare system, cost-effectiveness, affordability, and overall value. This information is crucial at the national and institutional level, guiding the allocation of funds and ensuring that resources are directed towards interventions that deliver the greatest value and impact.

10th SPINE Summer School 2024

Organizers

SPINE is an educational platform for doctoral students working towards a PhD in Nursing Science at the Universities of Lausanne and Basel. SPINE provides educational courses and Summer schools for doctoral students in nursing and other health-related disciplines, along with other events, such as the Doctoral Research Day.

Learning objectives:

By the end of this course, participants will have developed the following capabilities:

- **Foundational Understanding:** Attain a foundation in health economic evaluation and comprehend common questions.
- **Input Identification:** Identify crucial inputs necessary for health economic evaluations, including utility values and cost inputs, and have the ability to locate them.
- **Methodological Versatility:** Acquire an understanding of a range of methodologies for assessing the preferences and value of healthcare interventions, encompassing discrete choice experiments, willingness to pay, and outcomes-based valuation.
- **Practical Application:** Apply the knowledge and techniques acquired during the course within one of three key areas: workforce, complex intervention, or drugs.
- **Understand the essential health economic evaluations:** Budget impact, cost-effectiveness, and cost-utility analysis techniques

- **Emerging metrics:** Gain insight into emerging alternative metrics for assessing the benefits and harms of treatment.

The 2024 Summer School is a 4-day intensive course combining lectures and group work. The course will be taught in English.

SPINE Directors

Prof. Anne-Sylvie Ramelet

anne-sylvie.ramelet@chuv.ch

+41 (0) 21 314 23 05

Prof. Michael Simon (Host)

m.simon@unibas.ch

+41 (0) 61 207 09 12

Registration Deadline is July 15, 2024

[Registration](#)



Faculty

Professor Ivo Abraham

Ivo is a nurse by profession and an outcomes, effectiveness, and value researcher by trade. In 2009, he was appointed Professor of Pharmacy, Medicine, and Clinical Translational Sciences at the University of Arizona (Tucson, AZ, USA). He currently is Editor-in-Chief of the Journal of Medical Economics and a quantitative methods editor in the JAMA network of journals, with a primary assignment to JAMA Dermatology as well as at-large assignments in the network. A native of Belgium, he received his undergraduate nursing degree from (now) University College Leuven (Belgium), and MS and PhD degrees from the University of Michigan (US). He has held full- and part-time faculty appointments at universities in the US, Europe, and Asia.

Dr. Jana Bartakova

Jana is a health economist and postdoctoral researcher at the University of Basel's Institute of Nursing Science. Her research centers on labor market conditions for nurses and physicians, healthcare systems, and utilizing health economics methods to enhance patient safety and healthcare delivery. Jana holds a BSc in Medical Devices from Charles University, an MEng in Systematic Healthcare Process Integration from the Czech Technical University, and a PhD in Health Economics from Charles University. She has prior experience as an

assistant professor at Charles University, a consultant in mathematical decision-analytic modelling for the Czech Ministry of Health, as well as experience as a certified physiotherapist.

Professor Matthias Schwenkglenks

Matthias Schwenkglenks is Head of the Health Economics Facility and Head of Research of the Institute of Pharmaceutical Medicine (ECPM) at the Department of Public Health of the University of Basel. He also leads the Medical Economics Unit at the Epidemiology, Biostatistics and Prevention Institute of the University of Zürich. He was appointed Titular Professor of Health Economics and Public Health in 2016. Matthias obtained a Master of Arts in Sociology and Political Sciences from the University of Tübingen, Germany, a Master of Public Health from the Universities of Basel, Bern and Zürich, and a PhD in Epidemiology from the University of Basel. He also has extensive professional experience in internal intensive care nursing.

Preparation work

Readings will be provided ahead of time

Dates

Monday 19th to Thursday 22th August 2024

Venue

University of Basel, Kollegienhaus
Petersplatz 1, 4051 Basel

Commitment and Credits

6 hours of lecture/ seminar per day

3 hours preparation per day

2 ECTS

Target Group and Eligibility

Doctoral students and post-doctoral fellows, faculty members and researchers from Nursing Science and healthcare disciplines. Participants should have successfully completed graduate level courses in research methodology/statistics and be familiar with health research concepts.

Course Fees*

- PhD students affiliated with SPINE (INS, UNIL) and PPHS: Free
- PhD students not affiliated with SPINE or PPHS**: CHF 720
- Post-doctoral fellows: CHF 720
- INS- and UNIL Alumni: CHF 720
- Members of AS Nursing Economics: CHF 720
- Other participants: CHF 1120

*The course fee includes course materials. Registration is conditional upon full payment of fees.

**To qualify for the PhD fee, applicants not affiliated with SPINE are required to submit a letter from their supervisor stating their actual position as a doctoral student or postdoctoral fellow.

Payment

Through invoice

Payment of fees is due within 3 weeks of notification of acceptance and should be received at the latest by beginning of August 2024.

Terms, Conditions, and Cancellation Policy

- Seating is limited to 40 participants. All participants must commit to attending the full 4-day course. Applicants are selected on a first come first serve basis. Only complete applications are considered. Notification of acceptance will be emailed within 3 weeks of the closing date.
- In case of cancellation, a written notification must be sent. A service fee of CHF 50 will be charged. Refund will no longer be possible after July 18th 2024.
- The organization reserves the right to make minor program modifications, decline applications, or cancel the course in case of insufficient registrations at the closing date.

Contacts and Questions

Michelle Killenberger

michelle.killenberger@unibas.ch

Registration Deadline is 15 July 2024



10th SPINE Summer School 2024 - Course Schedule 19.-22.08.2024

Day 1: Monday, 19. August 2024		
Time	Activity description	Speakers/Participants
Morning	Welcome and introduction of lecturers	IA, JB
	Introduction of the topic of health economic evaluation	IA
	Lunch break	
Afternoon	Common questions asked in health economics: <ul style="list-style-type: none"> - What do we get? - What does it cost? - Is it worth it? - Can we afford it? 	IA
Evening	Social event	All

Day 2: Tuesday, 20. August 2024		
Time	Activity description	Speakers/Participants
Morning	Cost-effectiveness, cost-utility (preparation for afternoon)	MaS
	Lunch break	

Afternoon	What are the data requirements and where to find data (based on examples discussed in the morning)? - Group 1: Utility values - Group 2: Cost inputs	JB, students
	Presenting of group work	Students

Day 3: Wednesday, 21. August 2024		
Time	Activity description	Speakers/Participants
Morning	Assessing Value: - Discrete Choice Experiments - Willingness to pay - Outcomes-based valuing	JB
	Lunch break	
Afternoon	Work on one of the three areas: - Workforce - Complex interventions - Drugs	Students, IA, MaS, JB
	Presentation of group work	Students
Evening	Faculty dinner	

Day 4: Thursday, 22. August 2024		
Time	Activity description	Speakers/Participants
Morning	Budget impact: spreadsheet exercise	IA/JB
	Lunch break	
Afternoon	Alternate metrics	IA
	Panel with healthcare payers/providers/patients/policy makers	
	Course evaluation	All