

## SPECIALIST SPRING COURSES 2019

These courses are intended for people currently undertaking health economic evaluations within various sectors including academia, the pharmaceutical/medical device industries and consultancy.

### STATISTICAL METHODS IN ECONOMIC EVALUATION FOR HEALTH TECHNOLOGY ASSESSMENT

#### FOUNDATIONS COURSE

Monday 18 March – Tuesday 19 March 2019  
[york.ac.uk/che/courses/statistical-methods](http://york.ac.uk/che/courses/statistical-methods)

This 2-day course is designed for those wishing to develop an introductory understanding of the fundamental statistical concepts used in economic evaluation for Health Technology Assessment (HTA). The course includes a mixture of taught modules and practical exercises, where participants will learn the relevant statistical concepts and their estimation using the statistical software package Stata®.

No prior knowledge of Stata® is required to be able to complete these practical exercises, but participants are expected to have a basic familiarity with concepts of cost-effectiveness analysis.

*Course fees (UK VAT exempt):*

<b>Public/academic sector delegates</b>	<b>£760</b>
<b>Commercial sector delegates</b>	<b>£1200</b>

#### ADVANCED COURSE

Wednesday 20 March – Friday 22 March 2019  
[york.ac.uk/che/courses/statistical-methods/#tab-2](http://york.ac.uk/che/courses/statistical-methods/#tab-2)

This 3-day course focuses on the use of advanced statistical methods for the analysis of individual patient-level cost-effectiveness data (e.g. cost, survival and health-related quality of life) used in economic evaluation for HTA.

It is intended for people who wish to learn how to apply (and interpret the results of) more advanced techniques for the analysis of data collected alongside both experimental (e.g. RCTs) and observational (sometimes referred to as “real-world”) studies, where the objective is to derive key input parameters to populate economic evaluation models for HTA. The course includes a mixture of taught modules and practical exercises. Some prior knowledge of Stata® is recommended.

*Course fees (UK VAT exempt):*

<b>Public/academic sector delegates</b>	<b>£1150</b>
<b>Commercial sector delegates</b>	<b>£1800</b>

Specialist Spring Courses Administrator:  
**Mrs Linda Baillie** e-mail: [che-statmeth@york.ac.uk](mailto:che-statmeth@york.ac.uk)  
(Statistical Methods courses)

Details of these and our other short courses are available at:  
[york.ac.uk/che/courses](http://york.ac.uk/che/courses)

Decision analytic modelling is widely used internationally to estimate costs, outcomes and cost-effectiveness of different interventions and programmes in health care and public health, and to assess the value of new pharmaceuticals as a basis for health systems to determine whether they should be funded.

### DECISION ANALYTIC MODELLING FOR ECONOMIC EVALUATION

#### FOUNDATIONS COURSE

Monday 8 April – Tuesday 9 April 2019  
[york.ac.uk/che/courses/decision-analytic-modelling/#tab-1](http://york.ac.uk/che/courses/decision-analytic-modelling/#tab-1)

This 2-day course provides an introduction to the principles and practice of decision analysis for economic evaluation in health. A collaboration between CHE, University of York and the University of Glasgow, this course uses a combination of lectures and computer-based exercises with Excel®. Topics include model conceptualisation, decision trees, Markov models and diagnostics.

The course is aimed at those currently undertaking economic evaluation within the pharmaceutical and medical device industries, consultancy, academia or the health service.

*Course fees (UK VAT exempt):*

<b>Public/academic sector delegates</b>	<b>£760</b>
<b>Commercial sector delegates</b>	<b>£1200</b>

#### ADVANCED COURSE

Wednesday 10 April – Friday 12 April 2019  
[york.ac.uk/che/courses/decision-analytic-modelling/#tab-2](http://york.ac.uk/che/courses/decision-analytic-modelling/#tab-2)

This 3-day course, again run jointly with the University of Glasgow, uses a combination of lectures and tutor-supported computer-based exercises with Excel®. It covers more advanced modelling topics including adding time-dependent transition probabilities to Markov models using survival analysis, implementing and presenting probabilistic sensitivity analysis and expected value of information analysis.

It is envisaged that participants will currently be undertaking modelling for health economic evaluation.

*Course fees (UK VAT exempt):*

<b>Public/academic sector delegates</b>	<b>£1150</b>
<b>Commercial sector delegates</b>	<b>£1800</b>

Specialist Spring Courses Administrator:  
**Mrs Linda Baillie** e-mail: [che-admod@york.ac.uk](mailto:che-admod@york.ac.uk)  
(Decision Analytic Modelling courses)

Details of these and our other short courses are available at:  
[york.ac.uk/che/courses](http://york.ac.uk/che/courses)



## SHORT COURSES IN Health Economics and Economic Evaluation 2019



# YORK SUMMER WORKSHOPS IN HEALTH ECONOMIC EVALUATION 2019

With continued success for over 20 years, we offer our three York Summer Workshops, aimed at those involved in initiating, undertaking, managing or interpreting economic evaluations or quality of life assessments of medicines and other technologies within pharmaceutical and medical device companies, clinical and health services research and health care decision-making organisations.

Decision-makers' demands for information on the cost-effectiveness of health technologies have become more extensive and more sophisticated. At least seven European countries and several managed care groups in the USA now require formal submissions of economic data as part of the reimbursement process for medicines. Economic evaluation is also increasingly used internationally to support decisions

in areas including public health and vaccines. To keep pace with these constantly changing developments, the York Summer Workshops programme is updated frequently to ensure its continued competitive edge in delivering the most contemporary health economic evaluation training to its participants who derive from diverse private and public sector organisations around the world.

## FOUNDATIONS OF ECONOMIC EVALUATION IN HEALTH CARE

### Monday 17 June – Friday 21 June 2019 (5 days)

**Leaders:** Professor Michael Drummond and Professor Mark Sculpher

The 5-day 'Foundations' Workshop includes comprehensive coverage of all key issues in the methods and practice of economic evaluation. It is designed for those, new to the field, wishing to appreciate and appraise studies done by others, or requiring a foundation for more advanced study. It includes discussion of the main design features of studies, such as costing methods, health state preference valuation, integrating economic analysis with clinical trials and modelling approaches. Also, given the increasing demands for studies by health care decision makers, such as the National Institute for Health and Care Excellence (NICE) in the UK, there is in-depth discussion of official requirements and the perspectives of decision makers. The wide range of countries and work backgrounds represented among the participants provides an opportunity to learn from a wide range of experiences.

The majority of the lectures are given by Professor Michael Drummond and Professor Mark Sculpher. In addition there are a number of tutored practical group exercises, which provide the opportunity to learn by 'doing'. The Foundations Workshop fee includes a complimentary copy of the latest 4th edition of the best-selling textbook 'Methods for the Economic Evaluation of Health Care Programmes' by Michael Drummond, Mark Sculpher and others.

*Workshop fees (UK VAT exempt):*

<b>Early booking fee (before 29 March 2019)</b>	<b>£2560</b>
<b>Standard booking fee (after 29 March 2019)</b>	<b>£2680</b>
<b>Discounted fee for public sector employees</b>	<b>£1950</b>

Further details on the York Summer Workshops are available at:

[york.ac.uk/che/courses/york-summer-workshops](http://york.ac.uk/che/courses/york-summer-workshops)

## ADVANCED METHODS FOR COST-EFFECTIVENESS ANALYSIS: MEETING DECISION MAKERS' REQUIREMENTS

### Monday 24 June – Friday 28 June 2019 (5 days)

**Leaders:** Professor Mark Sculpher and Professor Michael Drummond

The 5-day 'Advanced' Workshop deals with advanced methods in economic evaluation in health care. It is structured around the analytical steps required to develop economic analyses to inform decision makers such as reimbursement agencies, hospital managers and formulary committees. Although many examples relate to medical technologies (e.g. drugs, devices and diagnostics), the principles extend to other types of intervention like public health. Recent developments in the field are covered, including those relating to evidence synthesis, uncertainty and value of information analysis. In addition to presentations, the workshop includes a series of exercises focusing on the development and analysis of a decision model, and includes computer-based work.

In order to get the most out of the Advanced Workshop, participants should be familiar with Drummond et al. Methods for the Economic Evaluation of Health Care Programmes, Oxford: OUP, 4th Edition, 2015, and ensure they are familiar with the main functions of Excel®.

The Faculty and tutors come from the Team for Economic Evaluation and Health Technology Assessment at the Centre for Health Economics, University of York.

*Workshop fees (UK VAT exempt):*

<b>Early booking fee (before 29 March 2019)</b>	<b>£2560</b>
<b>Standard booking fee (after 29 March 2019)</b>	<b>£2680</b>
<b>Discounted fee for public sector employees</b>	<b>£1950</b>

York Summer Workshops Administrators:  
Centre for Health Economics (CHE), University of York, UK.  
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## OUTCOMES MEASUREMENT AND VALUATION FOR HEALTH TECHNOLOGY ASSESSMENT (HTA)

### Monday 1 July – Wednesday 3 July 2019 (3 days)

**Leaders:** Professor Andrea Manca, Professor Mark Sculpher and Dr Andrew Lloyd

Revised and updated in 2014, the 3-day 'Outcomes' workshop includes new material linked directly to the needs of organisations, such as the National Institute of Health and Care Excellence (NICE), which make decisions about health care delivery and funding. The workshop covers the key principles of outcomes measurement and valuation as well as their practical implementation in health technology assessment. It focusses on the design, construction and application of a range of approaches to measuring and valuing health outcomes. The approaches considered include methods used in healthcare economic evaluation, such as quality-adjusted life years (QALYs) based on preference-based generic measures (e.g. EQ-5D, HUI); approaches used to 'map' from clinical and disease-specific outcomes to generic measures; and direct elicitation of preferences. The use of discrete choice experiments and subjective wellbeing is also considered. This workshop assumes participants have a basic familiarity with HTA and focusses on the role and utilisation of outcomes in HTA for decision making.

The workshop delivers a mixture of lectures and hands-on exercises. The majority of lectures will be delivered by Professor Andrea Manca, Professor Mark Sculpher, and Dr Andrew Lloyd. Tutors will also be available to support participants during the exercises.

*Workshop fees (UK VAT exempt):*

<b>Early booking fee (before 29 March 2019)</b>	<b>£1630</b>
<b>Standard booking fee (after 29 March 2019)</b>	<b>£1700</b>
<b>Discounted fee for public sector employees</b>	<b>£1080</b>

York Summer Workshops venue:  
The 5-star The Grand Hotel & Spa:

[www.thegrandyork.co.uk](http://www.thegrandyork.co.uk)