

Workshop Modules

The workshop will comprise 7 advanced modules over 7 weeks, spanning model conceptualisation to cost-effectiveness analysis in policy making:

Module 1 – Model Planning, Conceptualisation & Structuring
(week 5th – 9th April)

- Analytical frameworks
- Model conceptualisation
- Model choice
- Health technology assessment (HTA) Policy & Practice Panel session
- Guest lecture on International HTA

Module 2 – Synthesising Evidence & Parameterising Economic Models
(week 12th – 16th April)

- Effectiveness synthesis foundations
- Effectiveness synthesis advanced
- Parameterising Economic Models

Module 3 – Using real world evidence (RWE)
(week 19th – 23rd April)

- Challenges in using RWE for cost-effectiveness analysis (CEA)
- Guest lecture on case studies in RWE

Module 4 – Evidence Extrapolation
(week 26th – 30th April)

- Survival analysis for CEA



Module 5 – Uncertainty Analysis to Support Decision Making
(week 3rd – 7th May)

- Decision Making Under Uncertainty, including value of information (VOI)
- Elicitation for CEA

Module 6 – CEA in Practice: Addressing Challenges
(week 10th – 14th May)

- Case study applications - site agnostics, anti-microbial resistance, diagnostics
- Methods development for complex CEA problems - machine learning, multi-indication

Module 7 – Policy Challenges in Economic Evaluation
(week 17th – 21st May)

- Equity Analysis
- Pharmaceutical Pricing
- Wrap up and live Zoom Q&A Session

Workshop Structure

This online workshop will consist of:

- **Pre-recorded video lectures from CHE senior health economists.** In total, the workshop will include approximately 12 hours of video-recorded presentation lectures from members of the Faculty for each module, with each lecture around 1.5 to 2 hours in total and split into 'bite-size' sections of mini-lectures. The lectures will be available for you to stream up to 1 month after the workshop end date.
- **Exercises relating to each topic to confirm understanding.** These will involve conceptual work to prepare an economic analysis, critical review and spreadsheet analytic work. Each exercise will take around 1.5 to 2 hours to complete.
- **Online discussion boards.** This will enable you to post questions online regarding the lectures and exercises, and will be supported by CHE's health economists.



- **Video-recorded 'run-throughs' for each exercise.** Each exercise will be accompanied by a written model answer and/or video-recorded run-through to support your learning.
- **Live question and answer (Q&A) sessions.** For each topic there will be a live Q&A session by Zoom lasting 1 hour, in which you will be able to interact with CHE Module leads and senior health economists, asking questions about the materials and related issues. You will be able to post questions and comments in various ways including live audio and video, online chat or through the forum.
- **A final live Q&A session with CHE senior health economists.** This live session at the end of the workshop will give you the opportunity to ask questions relating to any area of economic evaluation.
- **A video panel session with leaders of health technology assessment organisations internationally.** This pre-recorded panel session will discuss how economic evaluation is used in different HTA organisations and some of the methods and practical challenges.
- **Study hours per week.** The lectures, exercises and live Q&As all amount to the equivalent of 5 days full-time commitment - so around 4 to 5 hours per week. although we appreciate this will vary between individuals.

(The above may be subject to change)