



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 23rd - 27th February)

- 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 27th February - 6th March)

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

Module 3 – Using real world evidence (RWE) (week 6th - 13th March)

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

Module 4 – Evidence Extrapolation (week 13th – 20th March)

- Survival analysis for CEA



Module 5 – Uncertainty Analysis to Support Decision Making

(week 20th - 26th March)

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

For two weeks 30th March - 10th April there will be no scheduled activity but participants will still be able to access their online content

Module 6 – CEA in Practice: Addressing Challenges

(week 13th - 17th April)

- 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 - 24th April)

- 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.

Workshop materials (lecture slides, exercises, and model answers) will be available for you to access prior to the official start date of the workshop.

(The above may be subject to change)