

Technical Workshop:

Cost-effectiveness Modelling Approaches for HTA

In collaboration with the Department of Pharmacology &

Therapeutics, Trinity College Dublin

2023

Tuesday 24 October, 2023

Trinity Biomedical Sciences Institute

10:00 to 16.00

Overview: The NCPE are delighted to announce our novel technical workshop on cost-effectiveness modelling approaches for Health Technology Assessment (HTA). Cost-effectiveness modelling has become more complex over time with the changing evidence landscape and advancements in drug development. This leads to more complex approaches, higher levels of uncertainty and challenges in presenting this information to decision makers.

Our faculty are a multidisciplinary, experienced team from the NCPE. They are experienced in developing, implementing and appraising cost-effectiveness models. All presenters hold an affiliation with the Dept. of Pharmacology & Therapeutics, Trinity College Dublin, for research and teaching purposes. Our research is disseminated in top-in-field, peer reviewed, international journals and conferences.

Objectives: The workshop is intended to promote an understanding of cost-effectiveness modelling approaches. Our participants will:

- Develop relevant skills in Microsoft Excel®.
- Learn about approaches to extrapolate immature survival data.
- Understand how cost-effectiveness analyses outputs can be best presented and analysed.

Intended Audience: The workshop is aimed at HTA Assessors, HTA Applicants, health-policy makers and those working in academia and pharmaceutical companies who wish to learn about cost-effectiveness modelling approaches. The workshop is not intended to cover all aspects of cost-effectiveness modelling.

Workshop Structure:

There will be a number of practical exercises during the workshop. Attendees will be required to bring their own laptops (with Microsoft Excel®) to the workshop. Attendees should have a working knowledge of Microsoft Excel®.

Workshop material (including PowerPoint slides and Microsoft Excel® files) will be made available to attendees before the workshop.

Registration opens at 09:15

Programme Outline

10:00 to 11:15

Development of skills for cost-effectiveness modelling in Microsoft Excel®

Dr Joy Leahy

An introduction to approaches to extrapolate survival data

Dr Arthur White

Question and answer session

All

Break

11.15 to 11.45

11.45 to 13.15

Practical approaches to extrapolate survival data

Dr Lea Trela

Case Study of CAR-T: Building a cost-effectiveness model

Dr Niamh Carey

Question and answer session

All

Lunch

13.15 to 14.15

14.15 to 16.00

Presentation of Cost-effectiveness Analyses outputs

Dr Joy Leahy

Sensitivity analysis and interpretation of results of cost-effectiveness analyses

Dr David McConnell

Developing an NCPE-adjusted base case model

Dr Emer Fogarty

Questions and answer session

All

Closing Remarks