



TreeAge Pro Training Agenda Two-Day Healthcare Modeling

1. Introduction

- Modeling goals
- Navigating the TreeAge Pro application

2. Decision Trees and Cost-Effectiveness Analysis

- Build decision trees
 - Model setup
 - Strategies and patient pathways
 - Entering and referencing parameters
- Analyze decision trees via cost-effectiveness analysis
- Modeling exercise – decision tree

3. Markov Models

- Markov concepts
- State transition diagrams
- Build Markov models
- Analyze Markov models via cohort analysis reports
- Modeling exercise – Markov model
- Cloning to reuse model structure
- Changing values with time

4. Partitioned Survival Analysis

- PartSA concepts
- Build PartSA models
- Analyze PartSA models

5. Sensitivity Analysis

- Sensitivity analysis concepts to study individual parameter uncertainty
- Sensitivity analysis on a single parameter
- Tornado diagrams

6. Probabilistic Sensitivity Analysis

- Sensitivity analysis concepts to study combined parameter uncertainty
- Distributions for parameter uncertainty
- Interpreting PSA results

7. Patient Simulation

- Patient characteristics
- Patient history
- Analyze a patient simulation model

8. Exporting results

- Export Markov models to Excel
- Export results from any model to Excel

9. Extras