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