CHERISH

Center for Health Economics of Treatment Interventions for Substance Use Disorder, HCV, and HIV

Intro to TreeAge Healthcare Modeling

December 3rd, 2016
8:00 a.m. - 6:00 p.m.
Weill Cornell Medicine-1300 York Ave
New York, NY 10065

COURSE PROGRAM

Day One

8:00-8:30 AM: *Arrive and register*

8:30-8:45 AM: *Introduction*: Brandon Aden, MD, MPH

8:45-9:30 AM: *Rationale and an introduction to economic evaluations:* Bruce Schackman, PhD, MBA

Overview of US Health system, Health reform (ACA), substance use treatment payment parities, changes in payment/organizational system (ACOs, health homes), integrated health care systems and implications for substance use disorder, HIV and HCV

9:30-12:15 PM: *Decision Analysis* – Matthew Simon, MD, MSc

9:30-11:00 AM: *Lecture* – Overview of decision analysis methods
11:15-12:15 PM: *Lab* – Introduction to TreeAge

12:15-12:45 PM: *Working Lunch* – Continue working in TreeAge

1:00-3:45 PM: Costing methods and practice – Bruce Schackman, PhD, MBA

1:00-2:30 PM: *Lecture* – Presentation on the theory and practice of costing
2:45-3:45 PM: *Lab* – Costing methods in Excel

4:00-6:00 PM: *Cost-effectiveness analysis* – Benjamin Linas, MD, MPH

Application of cost-effectiveness methods, sensitivity analysis

Day Two

8:30-9:00 AM: *Review of homework* – Bruce Schackman, PhD, MBA
Review of TreeAge CEA "homework"

9:00-12:15 PM: *Health Utilities and QALYs* – Brandon Aden, MD, MPH
9:00-11:00 AM: *Lecture* – Introduction and overview quality of life measures, health utilities and QALY's. Direct patient measure vs community derived measurement
11:15-12:15 PM: *Lab* – Cases in Excel

12:15-12:45 PM: *Working Lunch* – QALY's in TreeAge

1:00-3:00 PM: *Interpreting CEA and introduction to other methods of economic evaluation* – Jeremy Bray, PhD
Understanding CEA ratios, thresholds, and overview of cost-benefit analysis and budget impact analysis

3:15-6:00 PM*: Introduction to simulation modeling* – Benjamin Linas, MD, MPH
Overview of Markov modeling and Monte Carlo simulation