Outline for interface for CANTRANce screening model

SIMULATION FEATURES (H1)

1. Number of simulations (H4)
2. Years at which to evaluate survival (H4)
3. Population size (H4)
4. Study year (H4)

COMPARATIVE EFFECTIVENESS DATA (H1)

1. Method for inputting data (H4) (IF INDIVIDUAL DATA: fill out Individual-level data section. IF COVARIATE PROPORTIONS: fill out Covariate proportions section.)
   1. Individual-level data (H2)
      1. Study data source (H4) (IF SIMULATED PROSTATE CANCER DATA (DEFAULT): skip to Sampling method. IF USER-PROVIDED INDIVIDUAL-LEVEL DATA: fill out Study data.)
         1. Study data (H4)
      2. Sampling method (H4) (IF SIMPLE BOOTSTRAP: skip to Study year. IF WEIGHTED BOOTSTRAP: fill out Covariate distributions for weighted bootstrap sampling.)
         1. Covariate distributions for weighted bootstrap sampling (H4)
   2. Covariate proportions (H2)
      1. Continuous variable characteristics (H4)
      2. Categorical variable characteristics (H4)
         1. Categorical variables #1 (H4)
         2. Categorical variables #2 (H4)
         3. Categorical variables #3 (H4)
         4. Categorical variables #4 (H4)
         5. Categorical variables #5 (H4)
2. Stage shift
   1. Population stage distribution in presence of screening (H4)

CAUSE-SPECIFIC MORTALITY ESTIMATION (H1)

1. Time from clinical incidence to cause-specific death (H2)
   1. Baseline cause-specific survival (H3)
      1. Parameter for baseline cause-specific survival curve (H4) (IF KSURV: fill out k (if k-year survival is chosen). IF NOT KSURV: skip to Summary statistic to describe baseline cause-specific survival.)
         1. k (if k-year survival is chosen) (H4)
      2. Parameter value (H4)
   2. Effect of covariates on cause-specific survival (H3)
      1. Covariate #1: Effect on cause-specific survival (H4)
      2. Covariate #2: Effect on cause-specific survival (H4)
      3. Covariate #3: Effect on cause-specific survival (H4)

OTHER-CAUSE MORTALITY ESTIMATION (H1)

1. Time from study start to other-cause death (H2)
   1. Hazard ratio for other-cause death compared to general population (H4)