Report for the Markov model (cohort state-transition model)

2020.12.20

Results from the paper

```
strategy_names <- c("strategy1", "strategy2", "strategy3")
# QALY
QALY <- data.frame("est" = c(498,691,654),
                   "LB" = c(103,233,105),
                   "UB" = c(894,194,1108))
rownames(QALY) <- strategy_names
# Prevent CVD events
num_CVD <- data.frame("est" = c(298,374,346),
                   "LB" = c(155,181,154),
                   "UB" = c(441,567,538))
rownames(num_CVD) <- strategy_names
```

Table 1: Increased QALY with no screening

	est	LB	UB
strategy1	498	103	894
strategy2	691	233	194
strategy3	654	105	1108

Table 2: Prevent CVD events

	est	LB	UB
strategy1	298	155	441
strategy2	374	181	567
strategy3	346	154	538

```
## Markov model
# Health Status

# transition probability and related parameters
HR_l_stg1   <- 0.63
HR_l_stg2   <- 0.43
HR_l_stg3   <- 0.45
HR_m_stg1   <- 1.56
HR_m_stg2   <- 0.97
HR_m_stg3   <- 1.09
HR_h_stg1   <- 1.6
HR_h_stg2   <- 2.06
HR_h_stg3   <- 2.11




# chi-squared test
```

```
# t-test
```