Main text Table 1

Estimates of SAUC with CR when $c_1^2 = c_2^2$ for scenario 1-4

Yi

2021-04-12

Print table

```
s.rdt <- "scenario/18rows/set-0.5b-all.RData"
dt <- "res/DT-pkg-0.5b-all/"
```

Table 1: Estimates of SAUC when $c_1^2 = c_2^2$

	SUAC	$S = 25$		$S = 50$		$S = 200$	
		Median (Q1, Q3)	CR	Median (Q1, Q3)	CR	Median (Q1, Q3)	CR
Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	0.620	0.641 (0.494, 0.732)	99.4	0.613 (0.504, 0.696)	99.7	0.617 (0.567, 0.662)	99.1
Proposed $(c_1^2 = c_2^2)$		0.637 (0.488, 0.731)	99.6	0.615 (0.510, 0.696)	99.8	0.622 (0.575, 0.665)	99.7
Reitsma$_O$		0.697 (0.611, 0.760)	100.0	0.692 (0.636, 0.739)	100.0	0.693 (0.667, 0.716)	100.0
Reitsma$_P$		0.630 (0.537, 0.701)	100.0	0.622 (0.563, 0.674)	100.0	0.620 (0.591, 0.646)	100.0
Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	0.702	0.712 (0.622, 0.768)	99.8	0.708 (0.648, 0.752)	99.5	0.705 (0.679, 0.725)	99.3
Proposed $(c_1^2 = c_2^2)$		0.713 (0.623, 0.768)	99.6	0.711 (0.653, 0.752)	99.6	0.704 (0.681, 0.724)	99.5
Reitsma$_O$		0.741 (0.686, 0.782)	100.0	0.741 (0.704, 0.772)	99.9	0.739 (0.723, 0.754)	100.0
Reitsma$_P$		0.708 (0.651, 0.751)	100.0	0.703 (0.668, 0.735)	100.0	0.703 (0.687, 0.719)	100.0
Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	0.564	0.579 (0.479, 0.661)	99.6	0.562 (0.483, 0.632)	99.7	0.573 (0.523, 0.615)	99.7
Proposed $(c_1^2 = c_2^2)$		0.577 (0.489, 0.661)	99.8	0.572 (0.508, 0.637)	100.0	0.572 (0.531, 0.611)	99.7
Reitsma$_O$		0.676 (0.608, 0.728)	100.0	0.673 (0.630, 0.708)	100.0	0.673 (0.651, 0.695)	100.0
Reitsma$_P$		0.567 (0.513, 0.611)	100.0	0.564 (0.529, 0.597)	100.0	0.563 (0.547, 0.582)	100.0
Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	0.620	0.630 (0.543, 0.694)	99.8	0.618 (0.552, 0.672)	100.0	0.617 (0.583, 0.650)	99.7
Proposed $(c_1^2 = c_2^2)$		0.628 (0.554, 0.695)	99.8	0.624 (0.567, 0.675)	99.8	0.623 (0.595, 0.650)	99.7
Reitsma$_O$		0.699 (0.647, 0.744)	99.9	0.696 (0.662, 0.727)	100.0	0.695 (0.681, 0.711)	100.0
Reitsma$_P$		0.620 (0.579, 0.657)	100.0	0.619 (0.589, 0.646)	100.0	0.618 (0.605, 0.632)	99.9

Note:

Proposed $(hatc_1^2, hatc_2^2)$ is the proposed model estimating $(c_1^2, c_2^2)^T$; Proposed $(hatc_1^2, hatc_2^2)$ is the proposed model specified $c_1^2 = c_2^2 = 0.5$; Reitsma$_O$ is Reitsma model based on the observed studies; and Reitsma$_P$ is Reitsma model based on the population studies.