

Table S6. Details for TISS-based ICU cost analyses in pooled data (S7a-b).

Unit cost assumptions of a) €40 (top row) and b) €50 per TISS point (bottom row) were assumed in this analysis.

| Mean (SD) | | Difference in means, € | Median (IQR) | | Difference in medians, € |
|------------------------------|----------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|
| dexmedetomidine (n = 487) | standard care (n = 489) | | dexmedetomidine (n = 487) | standard care (n = 489) | |
| 14,713 (15,136) | 16,212 (14,454) | -1,499 | 9,869 (6,260 - 17,202) | 11,317 (7,100 - 20,286) | -1,448 |
| 18,313 (18,890) | 20,239 (18,056) | -1,926 | 12,309 (7,796 - 21,478) | 14,092 (8,867- 25,350) | -1,782 |