

STS 2021 Harvest 1

Table 1. O/E Ratio Multiplier Table for Recalibration

Procedure/Outcome	2018	2019	2020
Isolated CABG			
In-hospital Mortality	1.12	1.09	1.01
Operative Mortality	0.86	0.85	0.76
Morbidity: Any Reoperation	0.87	0.92	0.87
Morbidity: Permanent Stroke	0.98	0.96	0.93
Morbidity: Renal Failure	0.89	0.88	0.84
Morbidity: Deep Sternal Wound Infection	0.67	0.74	0.79
Morbidity: Prolonged Ventilation	1.09	1.15	1.12
Combined Morbidity/Mortality Outcomes*	1.05	1.10	1.06
Short Length of Stay: PLOS < 6 days	1.03	1.03	1.02
Long Length of Stay: PLOS > 14 days	0.95	0.96	0.93
Isolated AV Replacement			
In-hospital Mortality	1.41	1.22	1.19
Operative Mortality	0.99	0.96	0.86
Isolated MV Replacement			
In-hospital Mortality	1.19	1.16	0.97
Operative Mortality	1.01	0.99	0.81
AV Replacement + CABG			
In-hospital Mortality	1.16	1.25	1.14
Operative Mortality	0.98	1.02	0.94
MV Replacement + CABG			
In-hospital Mortality	1.00	1.05	0.88
Operative Mortality	0.88	0.92	0.77
Isolated MV Repair			
In-hospital Mortality	1.17	1.27	1.20
Operative Mortality	0.97	1.01	0.85
MV Repair + CABG			
In-hospital Mortality	1.04	1.02	0.85
Operative Mortality	0.87	0.89	0.70

* includes any of the 5 morbidities above and/or operative mortality

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Table 2. STS Event Percents

Procedure/Outcome	2018	2019	2020
Isolated CABG			
In-hospital Mortality	1.72	1.75	1.85
Operative Mortality	2.24	2.23	2.46
Morbidity: Any Reoperation	2.55	2.41	2.52
Morbidity: Permanent Stroke	1.34	1.38	1.36
Morbidity: Renal Failure	2.22	2.20	2.21
Morbidity: Deep Sternal Wound Infx	0.35	0.32	0.30
Morbidity: Prolonged Ventilation	7.59	7.12	7.11
Combined Morbidity/Mortality Outcomes*	11.53	10.99	11.13
Short Length of Stay: PLOS < 6 days	46.64	46.48	47.96
Long Length of Stay: PLOS > 14 days	5.29	5.24	5.21
Isolated AV Replacement			
In-hospital Mortality	1.32	1.51	1.62
Operative Mortality	1.87	1.92	2.24
Isolated MV Replacement			
In-hospital Mortality	3.86	4.01	4.69
Operative Mortality	4.56	4.66	5.64
AV Replacement + CABG			
In-hospital Mortality	3.08	2.87	3.25
Operative Mortality	3.65	3.54	3.92
MV Replacement + CABG			
In-hospital Mortality	8.61	7.67	9.30
Operative Mortality	9.84	8.78	10.62
Isolated MV Repair			
In-hospital Mortality	0.96	0.87	0.84
Operative Mortality	1.15	1.09	1.18
MV Repair + CABG			
In-hospital Mortality	4.59	4.37	5.38
Operative Mortality	5.48	5.04	6.47

* Includes any of the 5 morbidities above and/or operative mortality