

STS 2020 Harvest 3

Table 1. O/E Ratio Multiplier Table for Recalibration

Procedure/Outcome	2018	2019	2020
Isolated CABG			
In-hospital Mortality	1.10	1.06	1.06
Operative Mortality	0.87	0.86	0.83
Morbidity: Any Reoperation	0.87	0.92	0.92
Morbidity: Permanent Stroke	0.98	0.97	0.98
Morbidity: Renal Failure	0.89	0.88	0.86
Morbidity: Deep Sternal Wound Infection	0.68	0.74	0.88
Morbidity: Prolonged Ventilation	1.09	1.15	1.17
Combined Morbidity/Mortality Outcomes*	1.01	1.06	1.06
Short Length of Stay: PLOS < 6 days	1.03	1.03	0.99
Long Length of Stay: PLOS > 14 days	0.95	0.96	1.01
Isolated AV Replacement			
In-hospital Mortality	1.37	1.19	1.14
Operative Mortality	0.99	0.96	0.89
Isolated MV Replacement			
In-hospital Mortality	1.17	1.14	0.97
Operative Mortality	1.02	1.00	0.84
AV Replacement + CABG			
In-hospital Mortality	1.14	1.24	1.16
Operative Mortality	0.98	1.02	0.98
MV Replacement + CABG			
In-hospital Mortality	0.98	1.03	0.94
Operative Mortality	0.88	0.92	0.84
Isolated MV Repair			
In-hospital Mortality	1.16	1.28	1.26
Operative Mortality	0.97	1.03	0.90
MV Repair + CABG			
In-hospital Mortality	1.02	1.01	0.81
Operative Mortality	0.88	0.90	0.72

* 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	1.75	1.79	1.79
Operative Mortality	2.22	2.22	2.28
Morbidity: Any Reoperation	2.55	2.41	2.43
Morbidity: Permanent Stroke	1.34	1.37	1.34
Morbidity: Renal Failure	2.21	2.19	2.22
Morbidity: Deep Sternal Wound Infx	0.35	0.32	0.27
Morbidity: Prolonged Ventilation	7.59	7.11	7.02
Combined Morbidity/Mortality Outcomes*	11.97	11.39	11.39
Short Length of Stay: PLOS < 6 days	46.64	46.47	48.43
Long Length of Stay: PLOS > 14 days	5.29	5.24	4.97
Isolated AV Replacement			
In-hospital Mortality	1.35	1.55	1.74
Operative Mortality	1.88	1.91	2.24
Isolated MV Replacement			
In-hospital Mortality	3.91	4.08	4.81
Operative Mortality	4.51	4.63	5.60
AV Replacement + CABG			
In-hospital Mortality	3.13	2.90	3.20
Operative Mortality	3.62	3.55	3.77
MV Replacement + CABG			
In-hospital Mortality	8.81	7.84	8.75
Operative Mortality	9.82	8.77	9.78
Isolated MV Repair			
In-hospital Mortality	0.96	0.86	0.82
Operative Mortality	1.15	1.07	1.15
MV Repair + CABG			
In-hospital Mortality	4.66	4.43	5.72
Operative Mortality	5.43	4.98	6.47

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