

STS 2020 Harvest 1

Table 1. O/E Ratio Multiplier Table for Recalibration

Procedure/Outcome	2017	2018	2019
Isolated CABG			
In-hospital Mortality	1.06	1.10	1.06
Operative Mortality	0.83	0.87	0.86
Morbidity: Any Reoperation	0.67	0.56	0.59
Morbidity: Permanent Stroke	0.98	0.98	0.97
Morbidity: Renal Failure	1.00	0.89	0.88
Morbidity: Deep Sternal Wound Infection	0.99	0.68	0.74
Morbidity: Prolonged Ventilation	1.12	1.09	1.15
Combined Morbidity/Mortality Outcomes*	1.03	1.01	1.06
Short Length of Stay: PLOS < 6 days	1.02	1.03	1.03
Long Length of Stay: PLOS > 14 days	1.02	0.95	0.96
Isolated AV Replacement			
In-hospital Mortality	1.36	1.37	1.18
Operative Mortality	1.07	0.99	0.96
Isolated MV Replacement			
In-hospital Mortality	1.21	1.18	1.15
Operative Mortality	1.02	1.02	1.01
AV Replacement + CABG			
In-hospital Mortality	1.17	1.14	1.24
Operative Mortality	1.00	0.98	1.02
MV Replacement + CABG			
In-hospital Mortality	1.11	0.98	1.04
Operative Mortality	0.97	0.88	0.92
Isolated MV Repair			
In-hospital Mortality	1.36	1.15	1.29
Operative Mortality	1.03	0.97	1.05
MV Repair + CABG			
In-hospital Mortality	1.16	1.02	1.00
Operative Mortality	0.99	0.88	0.89

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

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Table 2. STS Event Percents

Procedure/Outcome	2017	2018	2019
Isolated CABG			
In-hospital Mortality	2.03	1.75	1.79
Operative Mortality	2.60	2.23	2.22
Morbidity: Any Reoperation	4.08	3.93	3.74
Morbidity: Permanent Stroke	1.40	1.34	1.36
Morbidity: Renal Failure	2.41	2.22	2.20
Morbidity: Deep Sternal Wound Infx	0.35	0.35	0.32
Morbidity: Prolonged Ventilation	8.12	7.59	7.11
Combined Morbidity/Mortality Outcomes*	12.77	11.97	11.39
Short Length of Stay: PLOS < 6 days	45.47	46.64	46.45
Long Length of Stay: PLOS > 14 days	5.55	5.29	5.22
Isolated AV Replacement			
In-hospital Mortality	1.58	1.35	1.55
Operative Mortality	2.02	1.88	1.92
Isolated MV Replacement			
In-hospital Mortality	4.36	3.91	4.03
Operative Mortality	5.16	4.51	4.57
AV Replacement + CABG			
In-hospital Mortality	3.48	3.13	2.91
Operative Mortality	4.08	3.63	3.55
MV Replacement + CABG			
In-hospital Mortality	8.45	8.77	7.79
Operative Mortality	9.64	9.78	8.75
Isolated MV Repair			
In-hospital Mortality	1.08	0.97	0.85
Operative Mortality	1.43	1.15	1.05
MV Repair + CABG			
In-hospital Mortality	4.66	4.66	4.46
Operative Mortality	5.44	5.42	5.02

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