

STS 2021 Harvest 3

Table 1. O/E Ratio Multiplier Table for Recalibration

Procedure/Outcome		2019	2020	2021
Isolated CABG				
	In-hospital Mortality	1.09	1.00	0.98
	Operative Mortality	0.85	0.75	0.75
	Morbidity: Any Reoperation	0.92	0.87	0.83
	Morbidity: Permanent Stroke	0.96	0.93	0.88
	Morbidity: Renal Failure	0.88	0.84	0.81
	Morbidity: Deep Sternal Wound Infection	0.73	0.77	0.82
	Morbidity: Prolonged Ventilation	1.15	1.11	1.15
	Combined Morbidity/Mortality Outcomes*	1.10	1.06	1.08
	Short Length of Stay: PLOS < 6 days	1.04	1.02	1.04
	Long Length of Stay: PLOS > 14 days	0.95	0.93	0.88
Isolated AV Replacement				
	In-hospital Mortality	1.22	1.18	1.04
	Operative Mortality	0.96	0.86	0.77
Isolated MV Replacement				
	In-hospital Mortality	1.16	0.96	1.08
	Operative Mortality	1.00	0.80	0.87
AV Replacement + CABG				
	In-hospital Mortality	1.25	1.14	1.18
	Operative Mortality	1.02	0.95	0.87
MV Replacement + CABG				
	In-hospital Mortality	1.05	0.87	0.95
	Operative Mortality	0.91	0.76	0.82
Isolated MV Repair				
	In-hospital Mortality	1.28	1.18	1.44
	Operative Mortality	1.01	0.84	1.05
MV Repair + CABG				
	In-hospital Mortality	1.03	0.84	1.12
	Operative Mortality	0.89	0.71	0.93

STS 2021 Harvest 3

Table 2. STS Event Percents

Procedure/Outcome		2019	2020	2021
Isolated CABG				
	In-hospital Mortality	1.75	1.87	1.90
	Operative Mortality	2.23	2.49	2.48
	Morbidity: Any Reoperation	2.41	2.53	2.60
	Morbidity: Permanent Stroke	1.37	1.35	1.38
	Morbidity: Renal Failure	2.20	2.23	2.28
	Morbidity: Deep Sternal Wound Infx	0.32	0.31	0.29
	Morbidity: Prolonged Ventilation	7.14	7.18	6.82
	Combined Morbidity/Mortality Outcomes*	10.99	11.19	10.83
	Short Length of Stay: PLOS < 6 days	46.37	47.79	47.23
	Long Length of Stay: PLOS > 14 days	5.27	5.27	5.38
Isolated AV Replacement				
	In-hospital Mortality	1.51	1.62	1.83
	Operative Mortality	1.91	2.23	2.47
Isolated MV Replacement				
	In-hospital Mortality	3.99	4.77	4.22
	Operative Mortality	4.65	5.71	5.21
AV Replacement + CABG				
	In-hospital Mortality	2.88	3.25	3.12
	Operative Mortality	3.55	3.92	4.22
MV Replacement + CABG				
	In-hospital Mortality	7.72	9.38	8.98
	Operative Mortality	8.85	10.75	10.41
Isolated MV Repair				
	In-hospital Mortality	0.87	0.85	0.71
	Operative Mortality	1.09	1.20	0.97
MV Repair + CABG				
	In-hospital Mortality	4.38	5.45	3.80
	Operative Mortality	5.06	6.47	4.58
* Includes any of the 5 morbidities above and/or operative mortality				