

STS 2021 Harvest 2

Table 1. O/E Ratio Multiplier Table for Recalibration

Procedure/Outcome		2019	2020	2021
Isolated CABG				
	In-hospital Mortality	1.09	1.01	0.93
	Operative Mortality	0.85	0.76	0.71
	Morbidity: Any Reoperation	0.92	0.87	0.82
	Morbidity: Permanent Stroke	0.96	0.93	0.87
	Morbidity: Renal Failure	0.88	0.84	0.80
	Morbidity: Deep Sternal Wound Infection	0.73	0.78	0.79
	Morbidity: Prolonged Ventilation	1.15	1.11	1.13
	Combined Morbidity/Mortality Outcomes*	1.10	1.06	1.06
	Short Length of Stay: PLOS < 6 days	1.04	1.02	1.03
	Long Length of Stay: PLOS > 14 days	0.96	0.93	0.88
Isolated AV Replacement				
	In-hospital Mortality	1.21	1.18	1.12
	Operative Mortality	0.95	0.85	0.87
Isolated MV Replacement				
	In-hospital Mortality	1.16	0.96	1.15
	Operative Mortality	1.00	0.80	0.89
AV Replacement + CABG				
	In-hospital Mortality	1.25	1.14	1.26
	Operative Mortality	1.02	0.95	0.92
MV Replacement + CABG				
	In-hospital Mortality	1.05	0.87	0.84
	Operative Mortality	0.92	0.76	0.72
Isolated MV Repair				
	In-hospital Mortality	1.27	1.17	1.34
	Operative Mortality	1.01	0.84	0.92
MV Repair + CABG				
	In-hospital Mortality	1.03	0.85	0.91
	Operative Mortality	0.89	0.71	0.71

Table 2. STS Event Percents

Procedure/Outcome		2019	2020	2021
Isolated CABG				
	In-hospital Mortality	1.75	1.87	2.03
	Operative Mortality	2.24	2.48	2.66
	Morbidity: Any Reoperation	2.41	2.53	2.65
	Morbidity: Permanent Stroke	1.37	1.36	1.41
	Morbidity: Renal Failure	2.20	2.23	2.31
	Morbidity: Deep Sternal Wound Infx	0.32	0.30	0.30
	Morbidity: Prolonged Ventilation	7.13	7.18	7.04
	Combined Morbidity/Mortality Outcomes*	10.99	11.19	11.07
	Short Length of Stay: PLOS < 6 days	46.42	47.83	47.66
	Long Length of Stay: PLOS > 14 days	5.26	5.26	5.47
Isolated AV Replacement				
	In-hospital Mortality	1.52	1.63	1.68
	Operative Mortality	1.92	2.24	2.18
Isolated MV Replacement				
	In-hospital Mortality	4.00	4.75	3.94
	Operative Mortality	4.65	5.69	5.11
AV Replacement + CABG				
	In-hospital Mortality	2.88	3.24	2.96
	Operative Mortality	3.55	3.91	4.03
MV Replacement + CABG				
	In-hospital Mortality	7.68	9.39	9.90
	Operative Mortality	8.79	10.75	11.57
Isolated MV Repair				
	In-hospital Mortality	0.87	0.86	0.78
	Operative Mortality	1.09	1.20	1.13
MV Repair + CABG				
	In-hospital Mortality	4.38	5.41	4.83
	Operative Mortality	5.06	6.49	6.23
* Includes any of the 5 morbidities above and/or operative mortality				