

Table 1. Observed/Expected Ratio Multipliers for Recalibration

Procedure / Outcome	2022	2023	2024
Isolated CABG			
Operative Mortality	0.728	0.776	0.806
In-hospital Mortality	0.953	1.042	1.083
Morbidity: Permanent Stroke	0.869	0.915	0.896
Morbidity: Renal Failure	0.823	0.860	0.846
Morbidity: Prolonged Ventilation	1.191	1.258	1.316
Morbidity: Deep Sternal Wound Infection	0.756	0.881	0.952
Morbidity: Any Re-Operation	0.836	0.835	0.826
Morbidity: Combined Morbidity/Mortality Outcomes	1.105	1.155	1.182
Morbidity: PLOS > 14 days	0.807	0.822	0.804
Morbidity: PLOS < 6 days	1.066	1.058	1.072
Isolated AV Replacement			
Operative Mortality	0.807	0.885	0.908
In-hospital Mortality	1.072	1.193	1.213
Isolated MV Replacement			
Operative Mortality	0.821	0.883	0.890
In-hospital Mortality	0.978	1.065	1.042
AV Replacement + CABG			
Operative Mortality	0.839	0.894	0.942
In-hospital Mortality	1.055	1.119	1.209
MV Replacement + CABG			
Operative Mortality	0.700	0.805	0.743
In-hospital Mortality	0.803	0.940	0.890
Isolated MV Repair			
Operative Mortality	0.826	0.893	0.974
In-hospital Mortality	1.029	1.198	1.199
MV Repair + CABG			
Operative Mortality	0.615	0.732	0.909
In-hospital Mortality	0.713	0.859	1.073

Table 2. STS Event Rates (%)

Procedure / Outcome	2022	2023	2024
Isolated CABG			
Operative Mortality	2.407	2.196	2.081
In-hospital Mortality	1.840	1.635	1.549
Morbidity: Permanent Stroke	1.353	1.275	1.294
Morbidity: Renal Failure	2.135	1.962	1.975
Morbidity: Prolonged Ventilation	6.237	5.757	5.451
Morbidity: Deep Sternal Wound Infection	0.306	0.259	0.238
Morbidity: Any Re-Operation	2.558	2.542	2.569
Morbidity: Combined Morbidity/Mortality Outcomes	10.100	9.456	9.164
Morbidity: PLOS < 6 days	46.537	47.121	46.587
Morbidity: PLOS > 14 days	5.614	5.392	5.461
Isolated AV Replacement			
Operative Mortality	2.224	2.082	1.939
In-hospital Mortality	1.673	1.545	1.452
Isolated MV Replacement			
Operative Mortality	5.390	4.911	4.894
In-hospital Mortality	4.520	4.072	4.176
AV Replacement + CABG			
Operative Mortality	4.197	3.842	3.632
In-hospital Mortality	3.338	3.072	2.830
MV Replacement + CABG			
Operative Mortality	11.488	9.474	10.417
In-hospital Mortality	10.015	8.114	8.705
Isolated MV Repair			
Operative Mortality	1.137	0.998	0.926
In-hospital Mortality	0.912	0.744	0.752
MV Repair + CABG			
Operative Mortality	6.633	5.250	4.190
In-hospital Mortality	5.723	4.474	3.548
AV Replace + MV Replace/Repair			
Operative Mortality	8.887	6.802	7.964

In-hospital Mortality	7.850	5.767	6.980
AV Replace + MV Replace/Repair + CABG			
Operative Mortality	12.551	13.057	13.231
In-hospital Mortality	11.084	11.477	11.656