

Table 1. Observed/Expected Ratio Multipliers for Recalibration

Procedure / Outcome	2022	2023	2024
Isolated CABG			
Operative Mortality	0.728	0.777	0.763
In-hospital Mortality	0.952	1.046	1.023
Morbidity: Permanent Stroke	0.869	0.915	0.831
Morbidity: Renal Failure	0.823	0.859	0.858
Morbidity: Prolonged Ventilation	1.192	1.259	1.280
Morbidity: Deep Sternal Wound Infection	0.754	0.846	0.984
Morbidity: Any Re-Operation	0.836	0.835	0.868
Morbidity: Combined Morbidity/Mortality Outcomes	1.105	1.154	1.175
Morbidity: PLOS > 14 days	0.808	0.822	0.802
Morbidity: PLOS < 6 days	1.066	1.058	1.075
Isolated AV Replacement			
Operative Mortality	0.807	0.885	1.021
In-hospital Mortality	1.072	1.190	1.205
Isolated MV Replacement			
Operative Mortality	0.821	0.884	0.850
In-hospital Mortality	0.979	1.067	0.994
AV Replacement + CABG			
Operative Mortality	0.838	0.894	0.869
In-hospital Mortality	1.055	1.119	1.194
MV Replacement + CABG			
Operative Mortality	0.700	0.813	0.671
In-hospital Mortality	0.803	0.948	0.797
Isolated MV Repair			
Operative Mortality	0.826	0.906	1.241
In-hospital Mortality	1.029	1.221	1.690
MV Repair + CABG			
Operative Mortality	0.615	0.730	1.571
In-hospital Mortality	0.712	0.857	1.778

Table 2. STS Event Rates (%)

Procedure / Outcome	2022	2023	2024
Isolated CABG			
Operative Mortality	2.408	2.194	2.222
In-hospital Mortality	1.841	1.630	1.654
Morbidity: Permanent Stroke	1.353	1.275	1.403
Morbidity: Renal Failure	2.135	1.967	1.953
Morbidity: Prolonged Ventilation	6.233	5.753	5.658
Morbidity: Deep Sternal Wound Infection	0.307	0.270	0.231
Morbidity: Any Re-Operation	2.557	2.542	2.452
Morbidity: Combined Morbidity/Mortality Outcomes	10.101	9.472	9.291
Morbidity: PLOS < 6 days	46.544	47.098	46.308
Morbidity: PLOS > 14 days	5.609	5.398	5.523
Isolated AV Replacement			
Operative Mortality	2.224	2.080	1.735
In-hospital Mortality	1.673	1.545	1.472
Isolated MV Replacement			
Operative Mortality	5.383	4.905	5.223
In-hospital Mortality	4.512	4.062	4.469
AV Replacement + CABG			
Operative Mortality	4.205	3.849	3.883
In-hospital Mortality	3.338	3.075	2.824
MV Replacement + CABG			
Operative Mortality	11.488	9.362	10.928
In-hospital Mortality	10.012	8.027	9.206
Isolated MV Repair			
Operative Mortality	1.137	0.984	0.701
In-hospital Mortality	0.912	0.730	0.515
MV Repair + CABG			
Operative Mortality	6.636	5.263	2.320
In-hospital Mortality	5.725	4.482	2.043