

Table 1. Observed/Expected Ratio Multipliers for Recalibration

Procedure / Outcome	2023	2024	2025
Isolated CABG			
Operative Mortality	0.775	0.805	0.817
In-hospital Mortality	1.042	1.079	1.125
Morbidity: Permanent Stroke	0.916	0.895	0.939
Morbidity: Renal Failure	0.86	0.841	0.836
Morbidity: Prolonged Ventilation	1.258	1.309	1.36
Morbidity: Deep Sternal Wound Infection	0.879	0.926	0.91
Morbidity: Any Re-Operation	0.836	0.822	0.786
Morbidity: Combined Morbidity/Mortality Outcomes	1.155	1.178	1.198
Morbidity: PLOS > 14 days	0.822	0.799	0.811
Morbidity: PLOS < 6 days	1.058	1.072	1.071
Isolated AV Replacement			
Operative Mortality	0.885	0.907	0.884
In-hospital Mortality	1.193	1.211	1.31
Isolated MV Replacement			
Operative Mortality	0.883	0.89	0.859
In-hospital Mortality	1.065	1.041	0.996
AV Replacement + CABG			
Operative Mortality	0.896	0.948	0.976
In-hospital Mortality	1.12	1.218	1.28
MV Replacement + CABG			
Operative Mortality	0.805	0.741	0.78
In-hospital Mortality	0.941	0.885	0.886
Isolated MV Repair			
Operative Mortality	0.893	0.958	1.173
In-hospital Mortality	1.198	1.171	1.339
MV Repair + CABG			
Operative Mortality	0.732	0.913	0.807
In-hospital Mortality	0.859	1.074	1.048

Table 2. STS Event Rates (%)

Procedure / Outcome	2023	2024	2025
Isolated CABG			
Operative Mortality	2.197	2.083	2.041
In-hospital Mortality	1.635	1.555	1.482
Morbidity: Permanent Stroke	1.274	1.296	1.234
Morbidity: Renal Failure	1.962	1.986	1.974
Morbidity: Prolonged Ventilation	5.756	5.475	5.207
Morbidity: Deep Sternal Wound Infection	0.26	0.244	0.248
Morbidity: Any Re-Operation	2.539	2.583	2.7
Morbidity: Combined Morbidity/Mortality Outcomes	9.453	9.19	8.95
Morbidity: PLOS < 6 days	47.121	46.585	46.695
Morbidity: PLOS > 14 days	5.393	5.49	5.39
Isolated AV Replacement			
Operative Mortality	2.084	1.94	1.959
In-hospital Mortality	1.547	1.455	1.321
Isolated MV Replacement			
Operative Mortality	4.912	4.922	5.12
In-hospital Mortality	4.073	4.207	4.414
AV Replacement + CABG			
Operative Mortality	3.843	3.606	3.524
In-hospital Mortality	3.073	2.809	2.685
MV Replacement + CABG			
Operative Mortality	9.469	10.477	9.728
In-hospital Mortality	8.11	8.769	8.54
Isolated MV Repair			
Operative Mortality	0.998	0.945	0.761
In-hospital Mortality	0.744	0.774	0.666
MV Repair + CABG			
Operative Mortality	5.248	4.19	4.727
In-hospital Mortality	4.474	3.561	3.636
AV Replace + MV Replace/Repair			
Operative Mortality	6.826	7.889	7.77

In-hospital Mortality	5.792	6.95	5.971
AV Replace + MV Replace/Repair + CABG			
Operative Mortality	13.007	13.126	11.454
In-hospital Mortality	11.45	11.573	10.249