

Table 1. Observed/Expected Ratio Multipliers for Recalibration

Procedure / Outcome	2023	2024	2025
Isolated CABG			
Operative Mortality	0.776	0.805	0.77
In-hospital Mortality	1.042	1.079	1.07
Morbidity: Permanent Stroke	0.916	0.896	0.898
Morbidity: Renal Failure	0.86	0.841	0.822
Morbidity: Prolonged Ventilation	1.257	1.31	1.306
Morbidity: Deep Sternal Wound Infection	0.882	0.934	0.97
Morbidity: Any Re-Operation	0.835	0.824	0.769
Morbidity: Combined Morbidity/Mortality Outcomes	1.155	1.179	1.161
Morbidity: PLOS > 14 days	0.822	0.799	0.792
Morbidity: PLOS < 6 days	1.058	1.073	1.081
Isolated AV Replacement			
Operative Mortality	0.886	0.91	0.97
In-hospital Mortality	1.194	1.217	1.378
Isolated MV Replacement			
Operative Mortality	0.883	0.888	0.801
In-hospital Mortality	1.065	1.042	0.962
AV Replacement + CABG			
Operative Mortality	0.897	0.942	0.895
In-hospital Mortality	1.123	1.216	1.209
MV Replacement + CABG			
Operative Mortality	0.805	0.739	0.776
In-hospital Mortality	0.94	0.883	0.906
Isolated MV Repair			
Operative Mortality	0.893	0.959	0.998
In-hospital Mortality	1.198	1.174	1.171
MV Repair + CABG			
Operative Mortality	0.732	0.917	1.165
In-hospital Mortality	0.859	1.081	1.346

Table 2. STS Event Rates (%)

Procedure / Outcome	2023	2024	2025
Isolated CABG			
Operative Mortality	2.196	2.085	2.162
In-hospital Mortality	1.635	1.555	1.557
Morbidity: Permanent Stroke	1.274	1.295	1.29
Morbidity: Renal Failure	1.963	1.985	2.007
Morbidity: Prolonged Ventilation	5.76	5.47	5.43
Morbidity: Deep Sternal Wound Infection	0.259	0.242	0.232
Morbidity: Any Re-Operation	2.541	2.574	2.755
Morbidity: Combined Morbidity/Mortality Outcomes	9.459	9.183	9.24
Morbidity: PLOS < 6 days	47.115	46.559	46.3
Morbidity: PLOS > 14 days	5.395	5.489	5.517
Isolated AV Replacement			
Operative Mortality	2.082	1.933	1.806
In-hospital Mortality	1.544	1.446	1.27
Isolated MV Replacement			
Operative Mortality	4.912	4.923	5.512
In-hospital Mortality	4.073	4.195	4.594
AV Replacement + CABG			
Operative Mortality	3.834	3.633	3.882
In-hospital Mortality	3.065	2.816	2.873
MV Replacement + CABG			
Operative Mortality	9.474	10.495	10.143
In-hospital Mortality	8.114	8.78	8.66
Isolated MV Repair			
Operative Mortality	0.997	0.94	0.882
In-hospital Mortality	0.744	0.768	0.752
MV Repair + CABG			
Operative Mortality	5.25	4.171	3.168
In-hospital Mortality	4.474	3.54	2.736
AV Replace + MV Replace/Repair			
Operative Mortality	6.801	7.892	8.219

In-hospital Mortality	5.766	6.924	5.962
AV Replace + MV Replace/Repair + CABG			
Operative Mortality	13.027	13.146	9.901
In-hospital Mortality	11.459	11.591	8.852