

**Table 1. Observed/Expected Ratio Multipliers for Recalibration**

Procedure / Outcome	2022	2023	2024
<b>Isolated CABG</b>			
Operative Mortality	0.728	0.777	0.807
In-hospital Mortality	0.953	1.044	1.093
Morbidity: Permanent Stroke	0.869	0.914	0.881
Morbidity: Renal Failure	0.823	0.859	0.852
Morbidity: Prolonged Ventilation	1.192	1.258	1.305
Morbidity: Deep Sternal Wound Infection	0.756	0.843	0.922
Morbidity: Any Re-Operation	0.836	0.834	0.846
Morbidity: Combined Morbidity/Mortality Outcomes	1.105	1.153	1.183
Morbidity: PLOS > 14 days	0.808	0.821	0.805
Morbidity: PLOS < 6 days	1.066	1.059	1.073
<b>Isolated AV Replacement</b>			
Operative Mortality	0.806	0.887	0.887
In-hospital Mortality	1.072	1.197	1.143
<b>Isolated MV Replacement</b>			
Operative Mortality	0.820	0.882	0.881
In-hospital Mortality	0.977	1.066	1.053
<b>AV Replacement + CABG</b>			
Operative Mortality	0.838	0.893	0.918
In-hospital Mortality	1.055	1.117	1.201
<b>MV Replacement + CABG</b>			
Operative Mortality	0.700	0.807	0.716
In-hospital Mortality	0.803	0.942	0.867
<b>Isolated MV Repair</b>			
Operative Mortality	0.826	0.894	1.037
In-hospital Mortality	1.029	1.199	1.238
<b>MV Repair + CABG</b>			
Operative Mortality	0.615	0.732	0.966
In-hospital Mortality	0.713	0.860	1.126

**Table 2. STS Event Rates (%)**

Procedure / Outcome	2022	2023	2024
<b>Isolated CABG</b>			
Operative Mortality	2.407	2.193	2.071
In-hospital Mortality	1.840	1.633	1.528
Morbidity: Permanent Stroke	1.353	1.277	1.314
Morbidity: Renal Failure	2.135	1.967	1.954
Morbidity: Prolonged Ventilation	6.235	5.760	5.486
Morbidity: Deep Sternal Wound Infection	0.306	0.271	0.245
Morbidity: Any Re-Operation	2.558	2.545	2.508
Morbidity: Combined Morbidity/Mortality Outcomes	10.099	9.477	9.147
Morbidity: PLOS < 6 days	46.543	47.085	46.521
Morbidity: PLOS > 14 days	5.612	5.400	5.438
<b>Isolated AV Replacement</b>			
Operative Mortality	2.225	2.077	2.008
In-hospital Mortality	1.673	1.539	1.557
<b>Isolated MV Replacement</b>			
Operative Mortality	5.392	4.918	4.867
In-hospital Mortality	4.521	4.070	4.074
<b>AV Replacement + CABG</b>			
Operative Mortality	4.205	3.848	3.713
In-hospital Mortality	3.338	3.078	2.837
<b>MV Replacement + CABG</b>			
Operative Mortality	11.484	9.451	10.797
In-hospital Mortality	10.012	8.090	8.903
<b>Isolated MV Repair</b>			
Operative Mortality	1.137	0.998	0.865
In-hospital Mortality	0.912	0.744	0.725
<b>MV Repair + CABG</b>			
Operative Mortality	6.636	5.251	3.910
In-hospital Mortality	5.725	4.474	3.356
<b>AV Replace + MV Replace/Repair</b>			
Operative Mortality	8.892	6.780	8.222

In-hospital Mortality	7.850	5.743	7.201
<i>AV Replace + MV Replace/Repair + CABG</i>			
Operative Mortality	12.581	13.047	12.913
In-hospital Mortality	11.084	11.468	11.305