

Table 1. Observed/Expected Ratio Multipliers for Recalibration

Procedure / Outcome	2022	2023	2024
Isolated CABG			
Operative Mortality	0.728	0.777	0.795
In-hospital Mortality	0.953	1.045	1.074
Morbidity: Permanent Stroke	0.869	0.913	0.857
Morbidity: Renal Failure	0.823	0.859	0.841
Morbidity: Prolonged Ventilation	1.192	1.258	1.293
Morbidity: Deep Sternal Wound Infection	0.757	0.843	0.934
Morbidity: Any Re-Operation	0.836	0.835	0.842
Morbidity: Combined Morbidity/Mortality Outcomes	1.105	1.153	1.174
Morbidity: PLOS > 14 days	0.808	0.822	0.804
Morbidity: PLOS < 6 days	1.066	1.059	1.072
Isolated AV Replacement			
Operative Mortality	0.807	0.884	0.926
In-hospital Mortality	1.072	1.193	1.154
Isolated MV Replacement			
Operative Mortality	0.820	0.882	0.826
In-hospital Mortality	0.977	1.066	1.000
AV Replacement + CABG			
Operative Mortality	0.838	0.893	0.890
In-hospital Mortality	1.055	1.117	1.161
MV Replacement + CABG			
Operative Mortality	0.700	0.807	0.714
In-hospital Mortality	0.803	0.942	0.851
Isolated MV Repair			
Operative Mortality	0.826	0.894	1.283
In-hospital Mortality	1.029	1.198	1.522
MV Repair + CABG			
Operative Mortality	0.615	0.732	1.034
In-hospital Mortality	0.713	0.859	1.140

Table 2. STS Event Rates (%)

Procedure / Outcome	2022	2023	2024
Isolated CABG			
Operative Mortality	2.407	2.193	2.108
In-hospital Mortality	1.840	1.632	1.560
Morbidity: Permanent Stroke	1.353	1.278	1.352
Morbidity: Renal Failure	2.135	1.967	1.975
Morbidity: Prolonged Ventilation	6.235	5.759	5.552
Morbidity: Deep Sternal Wound Infection	0.306	0.271	0.243
Morbidity: Any Re-Operation	2.558	2.543	2.520
Morbidity: Combined Morbidity/Mortality Outcomes	10.098	9.477	9.240
Morbidity: PLOS < 6 days	46.544	47.083	46.554
Morbidity: PLOS > 14 days	5.611	5.398	5.460
Isolated AV Replacement			
Operative Mortality	2.224	2.083	1.922
In-hospital Mortality	1.673	1.544	1.541
Isolated MV Replacement			
Operative Mortality	5.393	4.920	5.214
In-hospital Mortality	4.521	4.071	4.308
AV Replacement + CABG			
Operative Mortality	4.205	3.850	3.832
In-hospital Mortality	3.338	3.079	2.938
MV Replacement + CABG			
Operative Mortality	11.484	9.451	10.712
In-hospital Mortality	10.012	8.090	8.968
Isolated MV Repair			
Operative Mortality	1.137	0.998	0.696
In-hospital Mortality	0.912	0.744	0.586
MV Repair + CABG			
Operative Mortality	6.636	5.251	3.620
In-hospital Mortality	5.725	4.474	3.280
AV Replace + MV Replace/Repair			
Operative Mortality	8.892	6.780	8.930

In-hospital Mortality	7.850	5.743	7.681
<i>AV Replace + MV Replace/Repair + CABG</i>			
Operative Mortality	12.581	13.057	13.333
In-hospital Mortality	11.084	11.468	11.420