

Table 1. Observed/Expected Ratio Multipliers for Recalibration

Procedure / Outcome	2021	2022	2023
Isolated CABG			
Operative Mortality	0.735	0.728	0.794
In-hospital Mortality	0.969	0.953	1.069
Morbidity: Permanent Stroke	0.886	0.870	0.930
Morbidity: Renal Failure	0.818	0.824	0.875
Morbidity: Prolonged Ventilation	1.165	1.195	1.269
Morbidity: Deep Sternal Wound Infection	0.683	0.757	0.960
Morbidity: Any Re-Operation	0.833	0.839	0.829
Morbidity: Combined Morbidity/Mortality Outcomes	1.087	1.107	1.165
Morbidity: PLOS > 14 days	0.847	0.810	0.833
Morbidity: PLOS < 6 days	1.039	1.064	1.057
Isolated AV Replacement			
Operative Mortality	0.802	0.813	0.903
In-hospital Mortality	1.115	1.077	1.237
Isolated MV Replacement			
Operative Mortality	0.829	0.823	0.942
In-hospital Mortality	0.980	0.983	1.147
AV Replacement + CABG			
Operative Mortality	0.836	0.837	0.905
In-hospital Mortality	1.060	1.056	1.130
MV Replacement + CABG			
Operative Mortality	0.729	0.700	0.816
In-hospital Mortality	0.824	0.804	0.942
Isolated MV Repair			
Operative Mortality	0.903	0.822	0.831
In-hospital Mortality	1.153	1.024	1.143
MV Repair + CABG			
Operative Mortality	0.888	0.613	0.715
In-hospital Mortality	1.074	0.710	0.826

Table 2. STS Event Rates (%)

Procedure / Outcome	2021	2022	2023
Isolated CABG			
Operative Mortality	2.474	2.404	2.123
In-hospital Mortality	1.880	1.841	1.589
Morbidity: Permanent Stroke	1.357	1.352	1.256
Morbidity: Renal Failure	2.205	2.138	1.929
Morbidity: Prolonged Ventilation	6.601	6.225	5.697
Morbidity: Deep Sternal Wound Infection	0.342	0.306	0.239
Morbidity: Any Re-Operation	2.590	2.547	2.556
Morbidity: Combined Morbidity/Mortality Outcomes	10.544	10.094	9.362
Morbidity: PLOS < 6 days	47.446	46.572	47.139
Morbidity: PLOS > 14 days	5.488	5.600	5.317
Isolated AV Replacement			
Operative Mortality	2.319	2.207	2.034
In-hospital Mortality	1.673	1.668	1.493
Isolated MV Replacement			
Operative Mortality	5.349	5.366	4.583
In-hospital Mortality	4.533	4.497	3.787
AV Replacement + CABG			
Operative Mortality	4.329	4.202	3.774
In-hospital Mortality	3.424	3.338	3.038
MV Replacement + CABG			
Operative Mortality	11.374	11.509	9.230
In-hospital Mortality	10.068	10.033	8.043
Isolated MV Repair			
Operative Mortality	1.114	1.146	1.074
In-hospital Mortality	0.874	0.920	0.784
MV Repair + CABG			
Operative Mortality	4.642	6.671	5.359
In-hospital Mortality	3.852	5.763	4.662