

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

Procedure / Outcome	2021	2022	2023
<b>Isolated CABG</b>			
Operative Mortality	0.734	0.728	0.781
In-hospital Mortality	0.969	0.952	1.055
Morbidity: Permanent Stroke	0.886	0.868	0.918
Morbidity: Renal Failure	0.817	0.824	0.867
Morbidity: Prolonged Ventilation	1.165	1.193	1.263
Morbidity: Deep Sternal Wound Infection	0.683	0.755	0.873
Morbidity: Any Re-Operation	0.833	0.836	0.838
Morbidity: Combined Morbidity/Mortality Outcomes	1.088	1.105	1.158
Morbidity: PLOS > 14 days	0.847	0.808	0.825
Morbidity: PLOS < 6 days	1.038	1.066	1.057
<b>Isolated AV Replacement</b>			
Operative Mortality	0.800	0.807	0.887
In-hospital Mortality	1.116	1.073	1.199
<b>Isolated MV Replacement</b>			
Operative Mortality	0.827	0.821	0.898
In-hospital Mortality	0.977	0.979	1.081
<b>AV Replacement + CABG</b>			
Operative Mortality	0.836	0.838	0.898
In-hospital Mortality	1.058	1.055	1.131
<b>MV Replacement + CABG</b>			
Operative Mortality	0.727	0.700	0.810
In-hospital Mortality	0.822	0.803	0.949
<b>Isolated MV Repair</b>			
Operative Mortality	0.905	0.826	0.915
In-hospital Mortality	1.155	1.030	1.242
<b>MV Repair + CABG</b>			
Operative Mortality	0.888	0.615	0.742
In-hospital Mortality	1.075	0.712	0.865

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

<b>Procedure / Outcome</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
<b>Isolated CABG</b>			
Operative Mortality	2.487	2.409	2.179
In-hospital Mortality	1.883	1.841	1.614
Morbidity: Permanent Stroke	1.358	1.354	1.270
Morbidity: Renal Failure	2.207	2.134	1.949
Morbidity: Prolonged Ventilation	6.600	6.228	5.732
Morbidity: Deep Sternal Wound Infection	0.341	0.307	0.262
Morbidity: Any Re-Operation	2.590	2.558	2.530
Morbidity: Combined Morbidity/Mortality Outcomes	10.543	10.101	9.429
Morbidity: PLOS < 6 days	47.460	46.544	47.167
Morbidity: PLOS > 14 days	5.488	5.606	5.368
<b>Isolated AV Replacement</b>			
Operative Mortality	2.335	2.225	2.072
In-hospital Mortality	1.672	1.673	1.533
<b>Isolated MV Replacement</b>			
Operative Mortality	5.375	5.385	4.831
In-hospital Mortality	4.547	4.513	4.009
<b>AV Replacement + CABG</b>			
Operative Mortality	4.350	4.205	3.827
In-hospital Mortality	3.431	3.338	3.040
<b>MV Replacement + CABG</b>			
Operative Mortality	11.405	11.498	9.388
In-hospital Mortality	10.090	10.021	8.010
<b>Isolated MV Repair</b>			
Operative Mortality	1.114	1.137	0.973
In-hospital Mortality	0.872	0.913	0.717
<b>MV Repair + CABG</b>			
Operative Mortality	4.662	6.638	5.179
In-hospital Mortality	3.849	5.727	4.444