

## STS 2020 Harvest 4

**Table 1. O/E Ratio Multiplier Table for Recalibration**

Procedure/Outcome	2018	2019	2020
<b>Isolated CABG</b>			
In-hospital Mortality	1.12	1.09	1.04
Operative Mortality	0.87	0.86	0.78
Morbidity: Any Reoperation	0.87	0.92	0.89
Morbidity: Permanent Stroke	0.98	0.96	0.93
Morbidity: Renal Failure	0.89	0.88	0.85
Morbidity: Deep Sternal Wound Infection	0.68	0.74	0.79
Morbidity: Prolonged Ventilation	1.09	1.15	1.14
Combined Morbidity/Mortality Outcomes*	1.01	1.06	1.03
Short Length of Stay: PLOS < 6 days	1.03	1.03	1.01
Long Length of Stay: PLOS > 14 days	0.95	0.96	0.96
<b>Isolated AV Replacement</b>			
In-hospital Mortality	1.40	1.22	1.20
Operative Mortality	0.98	0.96	0.89
<b>Isolated MV Replacement</b>			
In-hospital Mortality	1.20	1.16	0.99
Operative Mortality	1.02	1.00	0.83
<b>AV Replacement + CABG</b>			
In-hospital Mortality	1.16	1.25	1.15
Operative Mortality	0.98	1.02	0.94
<b>MV Replacement + CABG</b>			
In-hospital Mortality	1.00	1.05	0.89
Operative Mortality	0.88	0.92	0.79
<b>Isolated MV Repair</b>			
In-hospital Mortality	1.17	1.28	1.22
Operative Mortality	0.97	1.03	0.84
<b>MV Repair + CABG</b>			
In-hospital Mortality	1.04	1.03	0.89
Operative Mortality	0.87	0.90	0.75

\* includes any of the 5 morbidities above and/or operative mortality

## STS 2020 Harvest 4

**Table 2. STS Event Percents**

Procedure/Outcome	2018	2019	2020
<b>Isolated CABG</b>			
In-hospital Mortality	1.72	1.75	1.82
Operative Mortality	2.22	2.22	2.42
Morbidity: Any Reoperation	2.55	2.41	2.49
Morbidity: Permanent Stroke	1.34	1.37	1.37
Morbidity: Renal Failure	2.22	2.19	2.21
Morbidity: Deep Sternal Wound Infx	0.35	0.32	0.30
Morbidity: Prolonged Ventilation	7.59	7.11	7.11
Combined Morbidity/Mortality Outcomes*	11.97	11.40	11.61
Short Length of Stay: PLOS < 6 days	46.64	46.46	48.04
Long Length of Stay: PLOS > 14 days	5.29	5.24	5.16
<b>Isolated AV Replacement</b>			
In-hospital Mortality	1.32	1.51	1.62
Operative Mortality	1.88	1.92	2.19
<b>Isolated MV Replacement</b>			
In-hospital Mortality	3.84	4.01	4.67
Operative Mortality	4.52	4.66	5.57
<b>AV Replacement + CABG</b>			
In-hospital Mortality	3.08	2.88	3.20
Operative Mortality	3.64	3.54	3.92
<b>MV Replacement + CABG</b>			
In-hospital Mortality	8.61	7.66	9.07
Operative Mortality	9.84	8.77	10.25
<b>Isolated MV Repair</b>			
In-hospital Mortality	0.96	0.86	0.84
Operative Mortality	1.15	1.08	1.23
<b>MV Repair + CABG</b>			
In-hospital Mortality	4.59	4.35	5.21
Operative Mortality	5.45	4.98	6.13

\* Includes any of the 5 morbidities above and/or operative mortality