

SurgYear=2020

Procedure / Outcomes	O/E Ratio Multiplier

Isolated CAB	
In-hospital Mortality	1.01
Operative Mortality	0.76
Complication: Reoperation	0.87
Complication: Permanent Stroke	0.92
Complication: Renal Failure	0.84
Complication: Deep Sternal Wound Infx	0.76
Complication: Prolonged Ventilation	1.12
Combined Morbidity/Operative Mortality	1.06
Length of Stay: Short	1.02
Length of Stay: Long	0.93
AVR	
In-hospital Mortality	1.19
Operative Mortality	0.86
MVR	
In-hospital Mortality	0.96
Operative Mortality	0.80
AVR+CAB	
In-hospital Mortality	1.15
Operative Mortality	0.95
MVR+CAB	
In-hospital Mortality	0.87
Operative Mortality	0.76
MVP	
In-hospital Mortality	1.19
Operative Mortality	0.85
MVP+CAB	
In-hospital Mortality	0.84
Operative Mortality	0.71
Major Procedures	
In-hospital Mortality	1.01
Operative Mortality	0.78

SurgYear=2021

Procedure / Outcomes	O/E Ratio Multiplier

Isolated CAB	
In-hospital Mortality	0.97
Operative Mortality	0.74
Complication: Reoperation	0.84
Complication: Permanent Stroke	0.89
Complication: Renal Failure	0.82
Complication: Deep Sternal Wound Infx	0.69
Complication: Prolonged Ventilation	1.17
Combined Morbidity/Operative Mortality	1.09
Length of Stay: Short	1.04
Length of Stay: Long	0.85
AVR	
In-hospital Mortality	1.13
Operative Mortality	0.82
MVR	
In-hospital Mortality	0.97
Operative Mortality	0.83
AVR+CAB	
In-hospital Mortality	1.06
Operative Mortality	0.83
MVR+CAB	
In-hospital Mortality	0.83
Operative Mortality	0.73
MVP	
In-hospital Mortality	1.16
Operative Mortality	0.91
MVP+CAB	
In-hospital Mortality	1.06
Operative Mortality	0.88
Major Procedures	
In-hospital Mortality	0.99
Operative Mortality	0.77

SurgYear=2022

Procedure / Outcomes	O/E Ratio Multiplier

Isolated CAB	
In-hospital Mortality	0.95
Operative Mortality	0.73
Complication: Reoperation	0.84
Complication: Permanent Stroke	0.88
Complication: Renal Failure	0.82
Complication: Deep Sternal Wound Infx	0.76
Complication: Prolonged Ventilation	1.21
Combined Morbidity/Operative Mortality	1.11
Length of Stay: Short	1.06
Length of Stay: Long	0.83
AVR	
In-hospital Mortality	1.10
Operative Mortality	0.83
MVR	
In-hospital Mortality	0.97
Operative Mortality	0.83
AVR+CAB	
In-hospital Mortality	1.07
Operative Mortality	0.84
MVR+CAB	
In-hospital Mortality	0.81
Operative Mortality	0.70
MVP	
In-hospital Mortality	1.00
Operative Mortality	0.82
MVP+CAB	
In-hospital Mortality	0.72
Operative Mortality	0.63
Major Procedures	
In-hospital Mortality	0.96
Operative Mortality	0.76