

Appendix 2: Factors associated with an imbalance in risk adjustment

	Proportion of patients	Observed mortality	CIHI predicted mortality	CIHI ratio observed to predicted	STS predicted mortality	STS ratio observed to predicted
New York Heart Association						
Class I-III	89.4%	1.37%	0.88%	1.56	1.62%	0.85
Class IV	10.6%	6.89%	2.24%	3.03	5.69%	1.20
Congestive heart failure						
No	82.2%	1.41%	0.89%	1.59	1.54%	0.92
Yes	17.8%	4.33%	1.73%	2.50	4.66%	0.93
Ejection fraction						
≥60%	57.2%	1.21%	0.86%	1.41	1.59%	0.76
40-59%	31.4%	2.00%	1.00%	2.00	1.89%	1.05
<40%	11.4%	5.53%	1.76%	3.13	4.77%	1.16
Atrial fibrillation						
No	94.5%	1.74%	0.82%	2.13	1.74%	1.00
Yes	5.5%	5.41%	1.88%	2.86	3.49%	1.54
Acute coronary insufficiency						
No	76.0%	1.20%	0.67%	1.79	1.32%	0.91
Yes	24.0%	4.43%	1.55%	2.86	3.37%	1.32
Cardiac compromise*						
No	96.0%	1.46%	0.94%	1.56	1.73%	0.85
Yes	4.0%	13.85%	2.98%	4.55	9.90%	1.41
Creatinine						

<100 mg/dl	72.4%	1.53%	0.92%	1.67	1.64%	0.93
≥100-149 mg/dl	21.8%	3.30%	1.33%	2.50	2.69%	1.22
≥150 mg/dl	5.8%	4.55%	1.42%	3.23	4.67%	0.97

*Salvage procedure (resuscitation/circulatory support) (2.1%), cardiogenic shock (0.6%), pre-procedure intra-aortic balloon pump (3.2%) or myocardial infarction within 24 hours of procedure (1.0%).