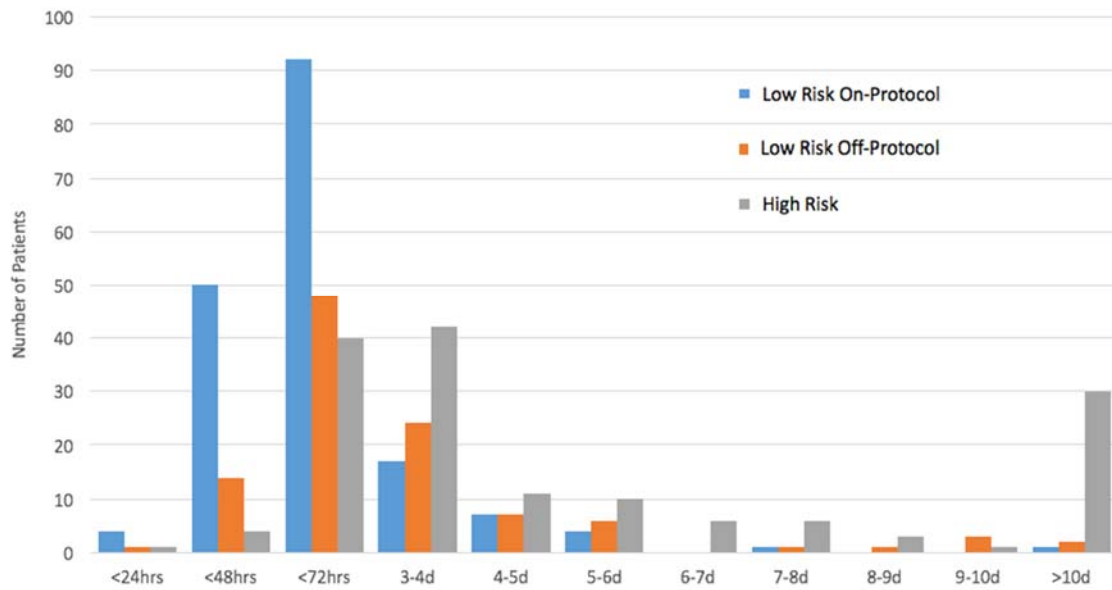


# **SUPPLEMENTAL MATERIAL**



Supplemental Figure 1: Count of patients by length of stay for low risk on-protocol, low risk off-protocol, and high risk STEMI patients in the prospective cohort.

	Low-Risk		
	Pre-Protocol n=540	Post-On Protocol n=177	P-value
Triaged to Telemetry	0 (0%)	177 (100%)	<0.001
Age (Years), mean(SD)	57.2 ± 12.8	61.4 ± 12.4	<0.001
Males, (%)	398 (73.8)	133 (75.1)	0.77
Hypertension, (%)	308 (57.1)	90 (50.9)	0.15
Dyslipidemia, (%)	298 (55.8)	100 (56.8)	0.76
Diabetes, (%)	97 (18.0)	29 (16.4)	0.63
History of Smoking, (%)	329 (61.0)	121 (68.8)	0.08
Current Smoker, (%)	221 (67.2)	68 (38.6)	0.55
History of CAD, (%)	152 (28.2)	46 (26.0)	0.58
Previous PCI, (%)	103 (19.1)	39 (22.2)	0.39
Previous MI, (%)	102 (18.9)	35 (19.9)	0.79
Previous CABG, (%)	27 (5.0)	7 (4.0)	0.57
Cardiac Arrest, (%)	27 (5.0)	-----	-----
Cardiogenic Shock, (%)	2 (0.4)	-----	-----
Killip Class			
0-1, (%)	538 (100)	-----	-----
2-4, (%)	0 (0)		
Ejection Fraction, mean(SD)	50.7 ± 12.7	55.6 ± 9.7	<0.001
LOS, median (25 <sup>th</sup> , 75 <sup>th</sup> percentile)	2 (2, 4)	2 (1, 2)	<0.001
LOS, mean (SD)	3.5 (4.4)	2.1 (2.5)	<0.001
In-Hospital Death, (%)	0 (0)	0 (0)	1.0
30 Day Outcomes			
MI, (%)	3 (0.6)	0 (0)	0.58
Stroke, (%)	1 (0.2)	1 (0.6)	0.43
Death, (%)	1 (0.2)	1 (0.6)	0.43
MACE, (%)	5 (0.9)	2 (1.1)	1.0
1 Year Outcomes			
MI, (%)	4 (0.7)	2 (1.1)	0.64
Stroke, (%)	2 (0.4)	1 (0.6)	1.0
Death, (%)	21 (3.9)	4 (2.3)	0.31
MACE, (%)	27 (5.0)	7 (4.0)	0.69
Median Total Variable Costs	\$13,648	\$6,090	<0.001

Supplemental Table 1: Pre-procedure clinical characteristics, post-procedure ejection fraction, length of stay, complications, mortality and median total variable costs for retrospectively studied low-risk (n=540) vs. prospectively studied on protocol low-risk (n=177) STEMI patients.