

SUPPLEMENTAL MATERIAL

Supplemental Table 1. Sociodemographic and clinical characteristics of patients in enrolled from more aggressive vs. less aggressive hospitals

	More Aggressive Hospitals n=2116	Less Aggressive Hospitals n=2155	P-Value
Sociodemographics			
Age (years)	59.3 ± 12.3	58.7 ± 12.3	0.161
Male sex	67.3%	66.4%	0.514
Caucasian race	77.0%	58.1%	<0.001
Married	57.8%	47.4%	<0.001
Low social support	13.4%	21.0%	<0.001
Lives alone	22.2%	27.0%	<0.001
High school education	90.5%	87.7%	0.003
Avoids care due to cost	22.5%	28.7%	<0.001
Comorbidities			
Hypertension	64.1%	69.1%	<0.001
Prior CABG	12.0%	10.4%	0.105
Diabetes mellitus	28.4%	33.0%	0.001
Current smoking	59.5%	59.7%	0.932
Chronic lung disease	5.7%	8.6%	<0.001
Prior heart failure	6.1%	10.7%	<0.001
Chronic kidney disease*	26.6%	22.7%	0.004
Body mass index (kg/m ²)	29.3 ± 6.3	29.8 ± 6.6	0.023
Prior Stroke	5.1%	4.7%	0.574
Depressive symptoms	8.7%	6.7%	0.014
Hospital procedures			
Cardiac catheterization	94.8%	89.9%	<0.001
Angioplasty	70.8%	60.0%	<0.001
Bypass graft surgery	10.0%	8.4%	0.067
Clinical presentation			
ST-elevations	49.2%	37.3%	<0.001
Peak Troponin (ng/mL)	31.2 ± 78.8	25.8 ± 67.2	0.018
GRACE risk score	99.7 ± 30.2	101.0 ± 29.8	0.155
Ejection fraction (%)	49.0 ± 12.3	48.4 ± 13.9	0.155
Initial heart rate (bpm)	81.7 ± 22.3	83.6 ± 21.8	0.004
Initial systolic BP (mmHg)	143.5 ± 30.3	143.2 ± 30.2	0.749
Length of stay (days)	5.1 ± 5.7	5.7 ± 6.4	0.004

*Estimated glomerular filtration rate <60mL/min/1.73m²

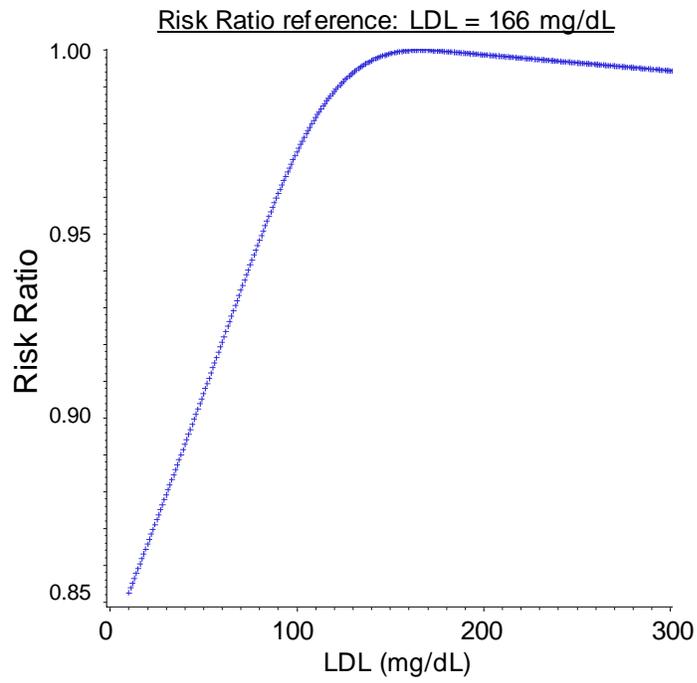
Supplemental Table 2. Patient factors associated with higher likelihood of statin initiation, intensification, and maximization

	<u>Initiation</u>		<u>Intensification</u>		<u>Maximization</u>	
	RR (95% CI)	p-value	RR (95% CI)	p-value	RR (95% CI)	p-value
Male	1.04 (1.01-1.07)	0.017	1.02 (0.85-1.22)	0.837	1.15 (1.01-1.30)	0.029
Age (per 10 years)	Non-linear		0.99 (0.88-1.12)	0.851	0.94 (0.90-1.00)	0.034
Caucasian	0.96 (0.94-0.99)	0.003	0.79 (0.62-1.01)	0.063	1.05 (0.94-1.16)	0.396
Married	1.01 (0.98-1.04)	0.558	1.14 (0.89-1.45)	0.297	1.09 (1.00-1.18)	0.046
Low social support	0.98 (0.94-1.03)	0.498	0.79 (0.55-1.15)	0.225	0.99 (0.88-1.12)	0.918
High school or greater education	0.95 (0.91-0.98)	0.006	1.12 (0.94-1.33)	0.215	1.14 (1.02-1.27)	0.017
Avoids care due to cost	1.03 (1.00-1.06)	0.052	1.24 (0.98-1.57)	0.071	0.99 (0.88-1.12)	0.871
Hypertension	0.98 (0.96-1.00)	0.066	1.06 (0.89-1.28)	0.499	1.01 (0.89-1.14)	0.906
Prior bypass surgery	0.94 (0.87-1.03)	0.189	0.74 (0.54-1.02)	0.067	1.03 (0.84-1.27)	0.786
Prior PCI	0.99 (0.94-1.04)	0.663	0.93 (0.75-1.17)	0.553	1.12 (0.97-1.27)	0.127
Prior myocardial infarction	0.97 (0.93-1.02)	0.238	0.82 (0.59-1.16)	0.260	0.98 (0.85-1.14)	0.812
Diabetes mellitus	0.96 (0.93-1.00)	0.055	0.94 (0.80-1.11)	0.485	1.14 (1.01-1.28)	0.031
Current/former smoking	1.00 (0.98-1.03)	0.992	0.86 (0.71-1.03)	0.107	0.93 (0.85-1.01)	0.090
Chronic lung disease	0.93 (0.86-1.02)	0.111	1.19 (0.93-1.53)	0.174	0.92 (0.81-1.04)	0.190
Prior heart failure	0.94 (0.88-1.00)	0.040	0.72 (0.52-0.99)	0.042	0.84 (0.67-1.06)	0.140
Chronic kidney disease	0.95 (0.89-1.01)	0.097	0.93 (0.63-1.39)	0.738	0.86 (0.74-1.00)	0.048
Cerebrovascular disease	1.01 (0.95-1.08)	0.721	0.99 (0.81-1.20)	0.891	1.02 (0.84-1.24)	0.859
Depression	1.01 (0.96-1.05)	0.737	1.14 (0.91-1.43)	0.261	1.05 (0.89-1.23)	0.551
Body mass index (per 5kg/m ²)	0.99 (0.98-1.01)	0.424	0.98 (0.90-1.06)	0.541	1.03 (0.99-1.06)	0.170
ST-elevation AMI	1.02 (0.99-1.05)	0.169	1.47 (1.12-1.92)	0.006	1.49 (1.25-1.77)	<0.001
LDL-C assessed during AMI	1.00 (0.90-1.11)	0.962	0.71 (0.36-1.39)	0.316	0.79 (0.57-1.08)	0.141
LDL-C level	Non-linear		Non-linear		Non-linear	

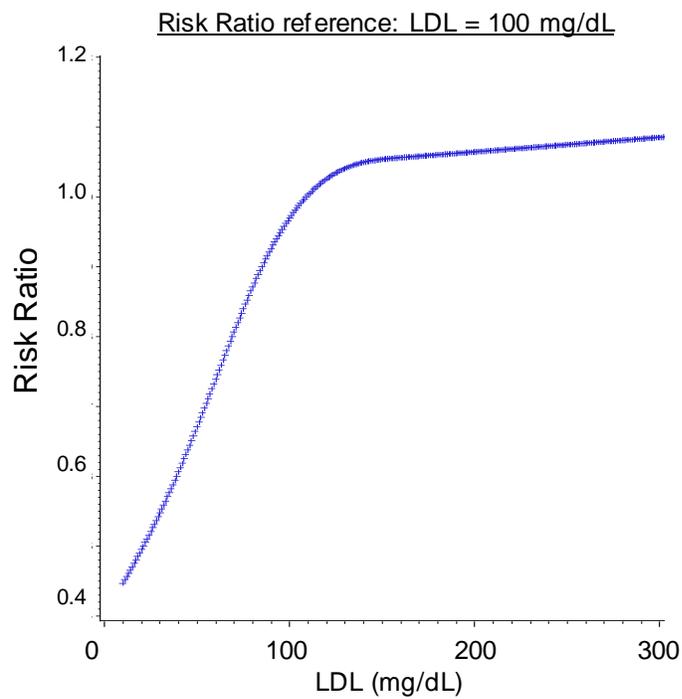
PCI, percutaneous coronary intervention; LDL-C, low-density lipoprotein cholesterol

Supplemental Figure 1. Association of in-hospital LDL-C levels and risk of statin initiation (a), intensification (b), and maximization (c)

a.



b.



c.

Risk Ratio reference: LDL = 100 mg/dL

