

**Table S1** Baseline characteristics of training set and validation set

Features	Total (n=7931)	Training set (n=5551)	Validation set (n=2380)	P
Age, mean ± SD, years	65.78±11.32	65.83±11.22	65.66±11.54	0.55
BMI, mean ± SD, kg/m <sup>2</sup>	24.63±5.17	24.68±5.17	24.53±5.16	0.24
Male, n (%)	5844 (73.69)	4101 (73.88)	1743 (73.24)	0.28
Weight, mean ± SD, kg	68.80±10.07	68.87±10.08	68.62±10.06	0.30
Systolic blood pressure, mean ± SD, mmHg	132.77±27.90	132.90±27.40	132.46±29.05	0.52
Diastolic pressure, mean ± SD, mmHg	78.25±11.96	78.35±11.95	78.02±11.98	0.27
Heart rate, mean ± SD, bpm	74.57±12.13	74.54±12.08	74.63±12.23	0.77
Medical history, n (%)				
Hypertension	5422 (68.36)	3813 (68.69)	1609 (67.61)	0.34
Diabetes	2336 (29.45)	1621 (29.20)	715 (30.04)	0.45
Smoke	3618 (45.62)	2538 (45.72)	1080 (45.38)	0.78
Coronary heart disease	418 (5.27)	279 (5.03)	139 (5.84)	0.14
Previous myocardial infarction	622 (7.84)	411 (7.40)	211 (8.87)	0.03
PCI	1259 (15.87)	865 (15.58)	394 (16.55)	0.28
CABG	72 (0.91)	51 (0.92)	21 (0.88)	0.88
Cerebral infarction	944 (11.90)	652 (11.75)	292 (12.27)	0.51
Cerebral hemorrhage	63 (0.79)	43 (0.77)	20 (0.84)	0.76
Peptic ulcer	282 (3.56)	193 (3.48)	89 (3.74)	0.56
Peripheral vascular disease	180 (2.27)	131 (2.36)	49 (2.06)	0.41
Renal insufficiency	265 (3.34)	183 (3.30)	82 (3.45)	0.74
Heart failure	406 (5.12)	279 (5.03)	127 (5.34)	0.57
Atrial fibrillation	410 (5.17)	297 (5.35)	113 (4.75)	0.27
Laboratory index, mean ± SD				
Hgb, g/L	136.45±17.83	136.45±17.84	136.46±17.80	0.97
PLT, ×10 <sup>9</sup> /L	198.09±61.55	198.52±61.72	197.08±61.17	0.34
TC, mmol/L	4.05±1.24	4.05±1.13	4.05±1.46	0.98
TG, mmol/L	1.65±1.15	1.64±1.08	1.66±1.30	0.52
LDL-C, mmol/L	2.45±5.00	2.48±5.95	2.39±0.94	0.50
HDL-C, mmol/L	1.05±0.30	1.05±0.29	1.05±0.31	0.98
Cr, μmol/L	85.46±73.16	85.33±73.66	85.78±71.99	0.80
Urea, mmol/L	19.88±69.42	20.38±71.02	18.73±65.53	0.33
ALB, g/L	39.41±5.90	39.40±6.27	39.43±4.94	0.86
PT, s	12.34±2.05	12.34±2.07	12.33±2.03	0.90
APTT, s	30.19±9.16	30.17±8.54	30.25±10.48	0.72
INR	1.08±1.27	1.07±0.39	1.12±2.25	0.10
ALT, U/L	34.19±65.34	33.87±64.71	34.95±66.80	0.50
AST, U/L	50.91±134.28	50.85±140.42	51.03±118.75	0.96
Creatinine clearance, mL/min/1.73 m <sup>2</sup>	82.58±28.82	82.75±28.87	82.18±28.72	0.42
Fasting blood glucose, mmol/L	6.16±5.81	6.10±2.34	6.33±9.99	0.10
WBC, ×10 <sup>9</sup> /L	7.42±2.80	7.43±2.82	7.41±2.76	0.71
pro-BNP, pg/mL	1437.58±3555.50	1408.83±3328.89	1504.65±4034.85	0.27
Lp(a), mg	295.30±229.81	292.92±234.45	300.83±218.54	0.16
Left ventricular ejection fraction, %	59.50±7.81	59.51±7.67	59.45±8.19	0.79
Treatment				
Bare stent, n (%)				0.28
0	7724 (97.39)	5397 (97.23)	2327 (97.77)	
1	191 (2.41)	143 (2.58)	48 (2.02)	
2	11 (0.14)	8 (0.14)	3 (0.13)	
3	3 (0.04)	1 (0.02)	2 (0.08)	
4	2 (0.03)	2 (0.04)	0 (0.00)	
Drug eluting stent, n (%)	7185 (90.59)	5012 (90.29)	2173 (91.30)	0.16
Stent position, n (%)				0.38
LAD	3195 (40.28)	2191 (39.47)	1004 (42.18)	
LCX	724 (9.13)	501 (9.03)	223 (9.37)	
RCA	1534 (19.34)	1091 (19.65)	443 (18.61)	
LAD+LCX	877 (11.06)	624 (11.24)	253 (10.63)	
LAD+RCA	805 (10.15)	572 (10.30)	233 (9.79)	
LCX+RCA	455 (5.74)	327 (5.89)	128 (5.38)	
LAD+LCX+RCA	220 (2.77)	154 (2.77)	66 (2.77)	
LM	121 (1.53)	91 (1.64)	30 (1.26)	
Number of stents, mean ± SD	1.77±1.05	1.78±1.06	1.75±1.04	0.32
Drug balloon, n (%)				0.47
0	6139 (77.41)	4275 (77.01)	1864 (78.32)	
1	1768 (22.29)	1260 (22.70)	508 (21.34)	
2	20 (0.25)	13 (0.23)	7 (0.29)	
3	2 (0.03)	2 (0.04)	0 (0.00)	
4	2 (0.03)	1 (0.02)	1 (0.04)	
Discharge medications, n (%)				
Bayaspirin + Plavix	4635 (58.44)	3239 (58.35)	1396 (58.66)	0.80
Bayaspirin + Ticagrelor	3295 (41.56)	2312 (41.65)	983 (41.30)	0.77
ACEI/ARB	3487 (43.97)	2455 (44.23)	1032 (43.36)	0.48
β-blockers	4952 (62.44)	3481 (62.71)	1471 (61.81)	0.45
Statins	7170 (90.40)	4994 (89.97)	2176 (91.43)	0.04
Warfarin	103 (1.30)	69 (1.24)	34 (1.43)	0.50
PPI	3394 (42.79)	2360 (42.51)	1034 (43.45)	0.44

SD, standard deviation; BMI, body mass index; PCI, percutaneous coronary intervention; CABG, coronary artery bypass grafting; Hgb, hemoglobin; PLT, platelet; TC, total cholesterol; TG, triglyceride; LDL-C, low density lipoprotein cholesterol; HDL-C, high density lipoprotein cholesterol; Cr, creatinine; ALB, albumin; PT, prothrombin time; APTT, activated partial thromboplastin time; INR, international normalized ratio; ALT, alanine aminotransferase; AST, aspartate aminotransferase; WBC, white blood cell; BNP, brain natriuretic peptides; Lp(a), lipoprotein(a); LAD, left anterior descending artery; LCX, left circumflex artery; RCA, right coronary artery; LM, left main artery; ACEI/ARB, angiotensin-converting enzyme inhibitors/angiotensin II receptor blockers; PPI, proton pump inhibitor.