

**Table S1.** All significant factors affecting periprocedural mortality among men.

Variable	Odds ratio	95% CI	<i>p</i>
Age >65	1.57	1.32–1.87	<0.001
Diabetes	1.47	1.19–1.81	<0.001
Previous stroke	1.38	0.97–1.97	0.074
Previous MI	1.22	0.98–1.51	0.074
Smoking status	0.97	0.79–1.19	0.787
Psoriasis	2.43	1.09–5.40	0.029
Hypertension	0.74	0.62–0.89	<0.001
Kidney disease	1.29	0.91–1.81	0.148
Time from pain to first contact	1.16	1.00–1.34	0.049
OHCA	3.18	2.60–3.89	<0.001
STEMI P2Y12	0.59	0.49–0.71	<0.001
GPI IIb IIIa during angiogram	1.26	1.03–1.52	0.022
Vascular access	2.92	2.44–3.49	<0.001
GPI IIb IIIa during PCI	1.41	1.04–1.92	0.027
TIMI after PCI	0.28	0.25–0.30	<0.001
Total amount of contrast used during procedure (ml)	0.999	0.996–0.999	<0.001
Total radiation dose during procedure (mGy)	1.0001	1.0000–1.0002	0.03
LMCA	8.29	6.57–10.48	<0.001
LAD	2.18	1.84–2.58	<0.001
LIMA RIMA	3.08	0.62–15.36	0.171
Bifurcation	0.77	0.56–1.07	0.123
DES	1.05	0.82–1.33	0.713
BVS	1.74	0.42–7.24	0.449
BMS	2.13	1.55–2.93	<0.001
Cardiac arrest during angiogram	18.72	14.07–24.91	<0.001
No reflow during PCI	1.33	0.95–1.86	0.1

BMS, bare metal stent; BVS, bioresorbable vascular scaffold; DES, drug eluting stent; MI, myocardial infarction; GPI IIb/IIIa, IIb/IIIa glycoprotein inhibitor; LAD, critical stenosis of left anterior descending; LIMA/RIMA, critical stenosis of left internal mammary artery/ right internal mammary artery; LMCA, critical stenosis of left main coronary artery; OHCA, out of hospital cardiac arrest; PCI, percutaneous coronary intervention; TIMI, thrombolysis in myocardial infarction.

**Table S2.** All significant factors affecting periprocedural mortality among women.

Variable	Odds ratio	95% CI	<i>p</i> value
Age >65 years	1.43	1.13–1.80	0.003
Diabetes	1.43	1.17–1.76	0.001
Previous MI	1.32	1.03–1.68	0.026
Smoking	0.67	0.49–0.91	0.011
Hypertension	0.69	0.58–0.845	<0.001

Kidney disease	1.39	1.03–1.89	0.032
Time from pain to first contact	1.19	1.03–1.38	0.02
OHCA	3.60	2.86–4.54	<0.001
P2Y12	0.55	0.45–0.67	<0.001
Femoral access	2.76	2.28–3.35	<0.001
TIMI after PCI	0.31	0.28–0.34	<0.001
LMCA	4.48	3.24–6.19	<0.001
LAD	1.88	1.57–2.26	<0.001
Bifurcation	0.73	0.49–1.09	0.122
DES	0.70	0.50–0.98	0.036
BVS	0.92	0.12–7.19	0.936
BMS	1.66	1.14–2.42	0.008
Number of implanted stents	1.33	1.10–1.60	0.003
Cardiac arrest during angiogram	12.42	9.11–16.92	<0.001
No reflow	0.95	0.66–1.35	0.762
Coronary artery perforation	1.97	0.90–4.32	0.092

BMS, bare metal stent; BVS, bioresorbable vascular scaffold; DES, drug eluting stent; MI, myocardial infarction; LAD, critical stenosis of left anterior descending; LMCA, critical stenosis of left main coronary artery; OHCA, out of hospital cardiac arrest; PCI, percutaneous coronary intervention; TIMI, thrombolysis in myocardial infarction.

**Table S3.** Factors related to clinical characteristics and prehospital management.

Variable	Total <i>n</i> =1465	Women <i>n</i> =663 (45,3)	Men <i>n</i> =802 (54,7)	<i>p</i> value
Clinical factors				
Age, median (Q1–Q3)	73 (64–82)	79 (68–85)	68 (61–78)	<0.0001
Age (>65 years)	1012 (69,1)	537 (81,0)	475 (59,2)	<0.0001
Diabetes ( <i>n</i> , %)	418 (28,5)	228 (34,4)	190 (23,7)	<0.0001
Previous stroke ( <i>n</i> , %)	105 (7,2)	51 (7,7)	54 (6,7)	0.4788
Previous MI ( <i>n</i> , %)	300 (20,5)	124 (18,7)	176 (21,9)	0.1260
Previous PCI ( <i>n</i> , %)	206 (14,1)	78 (11,8)	128 (16,0)	0.0215
Previous CABG ( <i>n</i> , %)	33 (2,3)	11 (1,7)	22 (2,7)	0.1641
Smoking ( <i>n</i> , %)	246 (16,8)	61 (9,2)	185 (23,1)	<0.0001
Psoriasis ( <i>n</i> , %)	14 (1,0)	4 (0,6)	10 (1,2)	0.2077
Hypertension ( <i>n</i> , %)	777 (53,0)	377 (56,9)	400 (49,9)	0.0077
Kidney disease ( <i>n</i> , %)	132 (9,0)	73 (11,0)	59 (7,4)	0.0151
COPD ( <i>n</i> , %)	38 (2,6)	14 (2,1)	24 (3,0)	0.2912
Prehospital management				
Time from pain to first contact ( <i>n</i> , %)				
<12 hours	1116 (76,2)	488 (73,6)	628 (78,3)	0.1059
12–48 hours	245 (16,7)	124 (18,7)	121 (15,1)	
≥ 48 hours	104 (7,1)	51 (7,7)	53 (6,6)	
Time from pain to inflation or angiogram ( <i>n</i> , %)				
<12 hours	1387 (94,7)	623 (94,0)	764 (95,3)	0.4563
12–48 hours	55 (3,8)	27 (4,1)	28 (3,5)	
≥ 48 hours	23 (1,6)	13 (2,0)	10 (1,2)	

Time from first contact to inflation or angiogram ( <i>n</i> , %)	1222 (83,4)	541 (81,6)	681 (84,9)	0.1794
<12 hours	170 (11,6)	88 (13,3)	82 (10,2)	
12–48 hours	73 (5,0)	34 (5,1)	39 (4,9)	
≥ 48 hours				
Direct transfer to cath lab ( <i>n</i> , %)	437 (29,8)	201 (30,3)	236 (29,4)	0,7109
OHCA ( <i>n</i> , %) STEMI	434 (29,6)	169 (25,5)	265 (33,0)	0.0016

CABG, coronary aortic bypass grafting; COPD, chronic obstructive pulmonary disease; MI, myocardial infarction; OHCA, out of hospital cardiac arrest; PCI, percutaneous coronary intervention.

**Table S4.** Pharmacological and periprocedural factors.

Variable	Total <i>n</i> =1465	Women <i>n</i> =663 (45,3)	Men <i>n</i> =802 (54,7)	<i>p</i> value
Pharmacological factors				
ASA ( <i>n</i> , %)	383 (26,1)	195 (29,4)	188 (23,4)	0.0097
UFH ( <i>n</i> , %)	1149 (78,4)	531 (80,1)	618 (77,1)	0.1602
LMWH ( <i>n</i> , %)	-	-	-	-
P2Y12 ( <i>n</i> , %)	961 (65,6)	439 (66,2)	522 (65,1)	0.6514
Thrombolysis ( <i>n</i> , %)	4 (0,3)	2 (0,3)	2 (0,2)	0.8487
GPI IIb/IIIa during angiogram ( <i>n</i> , %)	375 (25,6)	153 (23,1)	222 (27,7)	0.0445
Bivalirudin ( <i>n</i> , %)	1 (0,07)	0	1 (0,1)	0.3632
Periprocedural factors				
IVUS ( <i>n</i> , %)	1 (0,07)	0	1 (0,1)	0.3632
OCT ( <i>n</i> , %)	1 (0,07)	0	1 (0,1)	0.3632
Vascular access ( <i>n</i> , %)				
radial	476 (32,5)	196 (29,6)	280 (34,9)	0.0296
femoral	989 (67,5)	467 (70,4)	522 (65,1)	
FFR ( <i>n</i> , %)	1 (0,07)	0	1 (0,1)	0.3632
Aspiration thrombectomy ( <i>n</i> , %)	200 (13,7)	85 (12,8)	115 (14,3)	0.3996
Rotablation ( <i>n</i> , %)				
GPI IIb/IIIa during PCI ( <i>n</i> , %)	113 (7,7)	41 (6,2)	72 (9,0)	0.0461
TIMI before PCI ( <i>n</i> , %)				
0	1084 (74,0)	495 (74,7)	589 (73,4)	0.6061
1	188 (12,8)	86 (13,0)	102 (12,7)	
2	126 (8,6)	50 (7,5)	76 (9,5)	
3	67 (4,6)	32 (4,8)	35 (4,4)	
TIMI after PCI ( <i>n</i> , %)				
0	530 (36,4)	245 (37,2)	285 (35,7)	0.8231
1	215 (14,8)	94 (14,3)	121 (15,2)	
2	255 (17,5)	119 (18,1)	136 (17,0)	
3	457 (31,4)	201 (30,5)	256 (32,1)	
Total amount of contrast, ml, median (Q1-Q3)	160 (100–210)	160 (100–200)	156 (100–220)	0.4689
Total radiation dose, mGy, median (Q1-Q3)	900 (440–1644)	778 (407–1419)	1028 (471–1749)	<0.0001

ASA, acetylosalicylic acid; FFR, fractional flow reserve; GPI IIb/IIIa, IIb/IIIa glycoprotein inhibitor; IVUS, intravascular ultrasonography; LMWH, *low molecular weight heparin*; PCI, percutaneous coronary intervention; TIMI, thrombolysis in myocardial infarction; UFH, unfractionated heparin.

**Table S5.** Coronary anatomy, implanted stents, and complications during the procedure.

Variable	Total <i>n</i> =1465	Women <i>n</i> =663 (45,3)	Men <i>n</i> =802 (54,7)	<i>p</i> value
Coronary anatomy & implanted stents				
RCA ( <i>n</i> , %)	366 (25,0)	182 (27,5)	184 (22,9)	0,0473
LMCA ( <i>n</i> , %)	268 (18,3)	86 (13,0)	182 (22,7)	<0.0001
LAD ( <i>n</i> , %)	835 (57,0)	386 (58,2)	449 (56,0)	0.3899
SvG ( <i>n</i> , %)	10 (0,7)	2 (0,3)	8 (1,0)	0.1075
LIMA/RIMA ( <i>n</i> , %)	2 (0,1)	0	2 (0,2)	0.1983
Bifurcation ( <i>n</i> , %)	93 (6,3)	36 (5,4)	57 (7,1)	0.1901
DES ( <i>n</i> , %)	765 (52,2)	331 (49,9)	434 (54,1)	0.1101
BVS ( <i>n</i> , %)	3 (0,2)	1 (0,2)	2 (0,2)	0.6780
BMS ( <i>n</i> , %)	197 (13,4)	102 (15,4)	95 (11,8)	0.0482
Number of implanted stents ( <i>n</i> , %)				
0	521 (35,6)	238 (35,9)	283 (35,3)	0.9341
1	643 (43,9)	293 (44,2)	350 (43,6)	
2	231 (15,8)	100 (15,1)	131 (16,3)	
3	70 (8,4)	32 (4,8)	38 (4,7)	
DEB ( <i>n</i> , %)	13 (0,9)	9 (1,4)	4 (0,5)	0.0816
Complications during the procedure				
Cardiac arrest ( <i>n</i> , %)	271 (18,5)	116 (17,5)	155 (19,3)	0.3693
Stroke ( <i>n</i> , %)	1 (0,07)	1 (0,2)	0	0.2714
Dissection ( <i>n</i> , %)	7 (0,5)	6 (0,9)	1 (0,1)	0.0312
Bleeding at the puncture site ( <i>n</i> , %)	-	-	-	-
Allergic reaction ( <i>n</i> , %)	-	-	-	-
No reflow ( <i>n</i> , %)	125 (8,5)	53 (8,0)	72 (9,0)	0.5025
Coronary artery perforation ( <i>n</i> , %)	14 (1,0)	10 (1,5)	4 (0,5)	0.0481

BMS, bare metal stent; BVS, bioresorbable vascular scaffold; DEB, drug eluting balloon; DES, drug eluting stent; LAD, critical stenosis of left anterior descending; LMCA, critical stenosis of left main coronary artery; LIMA/RIMA, critical stenosis of left internal mammary artery/ right internal mammary artery; RCA, critical stenosis of right coronary artery; SvG, critical stenosis of saphenous vein graft.