

Supplementary Table 1. Univariate analyses of four kinds of delays, using logistic regression with generalized estimating equations.

	Pre-hospital delay (N=7312)		First ECG delay (N=7312)		Thrombolytic therapy delay (N=3057)		In-hospital delay (N=3057)	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
Gender								
Female	1.56(1.38-1.76)	<0.01	1.13(1.01-1.26)	0.04	0.98(0.76-1.26)	0.86	0.96(0.80-1.13)	0.60
Male	ref		ref		ref		ref	
Age								
≥65 years old	1.75(1.58-1.94)	<0.01	1.13(1.00-1.28)	0.05	0.93(0.74-1.18)	0.56	1.07(0.87-1.30)	0.52
<65 years old	ref		ref		ref		ref	
Education level								
Illiteracy	1.92(1.58-2.34)	<0.01	1.18(0.98-1.43)	0.08	0.87(0.62-1.21)	0.40	1.03(0.79-1.33)	0.83
Others	ref		ref		ref		ref	
Occupation								
Farmer	1.74(1.48-2.06)	<0.01	1.06(0.88-1.28)	0.53	1.13(0.84-1.53)	0.40	1.03(0.79-1.34)	0.80
Others	ref		ref		ref		ref	
Medical insurance								
Yes	1.08(0.72-1.64)	0.70	1.19(0.85-1.68)	0.31	0.69(0.33-1.43)	0.31	0.81(0.49-1.33)	0.41
No	ref		ref		ref		ref	
Smoking status								
Current smoking	0.78(0.68-0.89)	<0.01	0.85(0.72-1.00)	0.05	1.03(0.77-1.38)	0.82	1.06(0.80-1.41)	0.67
Others	ref		ref		ref		ref	
History of disease								
Myocardial infarction								
Yes	0.68(0.54-0.86)	<0.01	1.14(0.90-1.44)	0.28	1.11(0.67-1.81)	0.69	1.23(0.84-1.79)	0.29
No	ref		ref		ref		ref	
Angina								
Yes	0.87(0.74-1.01)	0.07	0.86(0.71-1.06)	0.15	0.87(0.61-1.24)	0.46	0.86(0.61-1.21)	0.38
No	ref		ref		ref		ref	
Stroke								
Yes	1.15(0.97-1.36)	0.11	0.92(0.76-1.13)	0.44	1.28(0.82-1.98)	0.27	1.25(0.88-1.76)	0.21
No	ref		ref		ref		ref	
Heart failure								
Yes	1.30(0.86-1.97)	0.21	0.96(0.63-1.47)	0.86	0.71(0.25-2.02)	0.53	1.05(0.37-2.93)	0.93
No	ref		ref		ref		ref	
Transient ischemic attack								
Yes	0.80(0.53-1.23)	0.32	0.88(0.48-1.61)	0.68	1.19(0.55-2.58)	0.65	0.67(0.34-1.31)	0.24
No	ref		ref		ref		ref	
Diabetes								
Yes	0.97(0.84-1.11)	0.63	1.01(0.86-1.19)	0.92	1.15(0.83-1.59)	0.39	1.24(0.94-1.65)	0.13
No	ref		ref		ref		ref	
Hypertension								
Yes	0.93(0.85-1.03)	0.20	1.02(0.91-1.14)	0.72	1.03(0.82-1.30)	0.78	1.05(0.90-1.23)	0.53

No	ref		ref		ref		ref	
Dyslipidemia								
Yes	0.89(0.69-1.14)	0.35	0.99(0.73-1.34)	0.94	0.70(0.41-1.17)	0.17	0.66(0.42-1.03)	0.07
No	ref		ref		ref		ref	
Time trend (every 6 months)	1.02(0.96-1.04)	0.88	0.82(0.76-0.88)	<0.01	1.01(0.91-1.12)	0.80	0.91(0.83-1.00)	0.05
Symptom onset time								
00:00-05:59	1.99(1.74-2.26)	<0.01						
06:00-11:59	1.50(1.32-1.70)	<0.01						
12:00-17:59	ref							
18:00-23:59	1.01(0.89-1.13)	0.93						
Signs at admission								
SBP < 90 mmHg								
Yes	0.66(0.54-0.80)	<0.01	0.79(0.61-1.02)	0.07	0.88(0.59-1.31)	0.53	0.88(0.62-1.26)	0.50
No	ref		ref		ref		ref	
Heart rate ≥ 100 beats/m								
Yes	1.73(1.50-2.00)	<0.01	1.07(0.92-1.24)	0.36	1.52(0.97-2.40)	0.07	1.32(0.92-1.88)	0.13
No	ref		ref		ref		ref	
Arrived on regular hours								
Yes			1.14(1.03-1.26)	<0.01	0.93(0.76-1.14)	0.49	0.80(0.69-0.94)	<0.01
No			ref		ref		ref	
Onset-to-Door time delay								
Yes			1.19(1.03-1.38)	0.02	0.79(0.66-0.96)	0.02	0.87(0.74-1.03)	0.11
No			ref		ref		ref	
Door-to-ECG time delay								
Yes					0.56(0.40-0.77)	<0.01	3.51(2.59-4.75)	<0.01
No					ref		-	
Intervention group								
Yes	1.02(0.88-1.18)	0.79	0.59(0.45-0.78)	<0.01	1.06(0.76-1.47)	0.73	0.70(0.54-0.91)	<0.01
No	ref		ref		ref		ref	

ECG, electrocardiograph; OR, odds ratio; SBP, systolic blood pressure.

*, the intervention of the third phase of the Clinical Pathways for Acute Coronary Syndromes study.