

Table 2. Significant Factors in the Multivariate Generalized Linear Model for Delay in Hospital Presentation

Description	Model Results ^a				Difference in Delay, Mean (95% CI), min ^b
	Estimate	SE	t Value	P Value	
Demographics					
Age, y			494.74	< .001	
< 60					0 [Reference]
60-69	0.087	0.0047	18.66	< .001	9.2 (8.2 to 10.1)
70-79	0.18	0.0059	30.32	< .001	19.3 (18.0 to 20.6)
≥ 80	0.26	0.0070	37.19	< .001	29.3 (27.6 to 31.1)
Female sex					
No					0 [Reference]
Yes	0.11	0.0037	29.99	< .001	11.5 (10.7 to 12.3)
Race			95.38	< .001	
White					0 [Reference]
Black	0.13	0.0076	16.99	< .001	14.0 (12.3 to 15.8)
Hispanic	0.10	0.0099	10.46	< .001	11.2 (9.0 to 13.4)
Asian	0.024	0.0140	1.75	.08	2.5 (-0.3 to 5.4)
Other or unknown	0.0094	0.0082	1.16	.20	1.0 (-0.7 to 2.7)
Health insurance			48.65	< .001	
Commercial (HMO/PPO) only					0 [Reference]
Medicare only	0.058	0.0052	11.27	< .001	6.0 (5.0 to 7.1)
Medicare with any other insurance	0.038	0.0064	5.97	< .001	4.0 (2.6 to 5.3)
Medicaid or self-pay	0.059	0.0057	10.36	< .001	6.2 (5.0 to 7.4)
Other or unknown	0.034	0.0065	5.19	< .001	3.5 (2.2 to 4.9)
Medical History					
Diabetes mellitus					
No					0 [Reference]
Yes	0.17	0.0041	41.31	< .001	18.4 (17.4 to 19.4)
Previous MI					
No					0 [Reference]
Yes	-0.080	0.0047	-17.11	< .001	-8.0 (-8.9 to -7.1)
Hypertension					
No					0 [Reference]
Yes	0.051	0.0034	14.99	< .001	5.2 (4.6 to 5.9)
Previous PCI					
No					0 [Reference]
Yes	-0.16	0.0061	-27.03	< .001	-15.8 (-16.8 to -14.7)
Presentation					
Chest pain					
Yes					0 [Reference]
No	0.16	0.0058	27.95	< .001	17.6 (16.3 to 19.0)
Cardiogenic shock					
No					0 [Reference]
Yes	-0.26	0.012	-20.91	< .001	-23.5 (-25.4 to -21.5)
Systolic blood pressure < 90 mm Hg					
No					0 [Reference]
Yes	-0.29	0.0078	-37.74	< .001	-26.6 (-27.8 to -25.3)
Pulse > 100 beats/min					
No					0 [Reference]
Yes	0.16	0.0047	33.63	< .001	17.2 (16.1 to 18.3)
Current CHF					
No					0 [Reference]
Yes	0.081	0.0050	16.13	< .001	8.6 (7.5 to 9.7)
Demographics					
Time of presentation			196.76	< .001	
Weekday daytime					0 [Reference]
Weekday evening	-0.12	0.0047	-25.79	< .001	-11.9 (-12.9 to -11.0)
Weekday night	-0.095	0.0048	-19.74	< .001	-9.4 (-10.4 to -8.5)
Weekend daytime	-0.060	0.0053	-11.30	< .001	-6.0 (-7.0 to -5.0)
Weekend evening	-0.14	0.0063	-22.33	< .001	-13.6 (-14.8 to -12.5)
Weekend night	-0.070	0.0066	-10.55	< .001	-6.9 (-8.2 to -5.7)
Year of presentation			28.73	< .001	
1995					0 [Reference]
1996	-0.018	0.0063	-2.78	.005	-1.8 (-3.1 to -0.5)
1997	-0.034	0.0064	-5.24	< .001	-3.4 (-4.7 to -2.1)
1998	-0.028	0.0066	-4.32	< .001	-2.9 (-4.2 to -1.6)
1999	-0.042	0.0065	-6.42	< .001	-4.2 (-5.5 to -2.9)
2000	-0.068	0.0070	-9.76	< .001	-6.8 (-8.2 to -5.5)
2001	-0.082	0.0072	-11.37	< .001	-8.2 (-9.6 to -6.8)
2002	-0.074	0.0082	-9.08	< .001	-7.4 (-8.9 to -5.8)
2003	-0.088	0.0087	-10.09	< .001	-8.7 (-10.4 to -7.0)
2004	-0.081	0.0096	-8.39	< .001	-8.0 (-9.8 to -6.1)
Hospital Characteristics					
Census division			123.55	< .001	
West					0 [Reference]
South	-0.0052	0.0046	-1.14	.30	-0.5 (-1.5 to 0.4)
Midwest	-0.040	0.0046	-8.71	< .001	-4.1 (-5.1 to -3.2)
Northeast	0.064	0.0058	11.09	< .001	6.7 (5.5 to 7.9)

Abbreviations: See Table 1.

^a The intercept estimate was 4.63 (SE, 0.0083), *t* value = 559.10, *P* < .001.

^b Log transformation was performed on dependent variables in the model, and simulation was performed to convert the results back to the natural units.