

Supplementary 9. Natural log-transformed multivariable regression analysis for medical costs and total costs (N=6391)

Variables	Ln(medical costs)			Ln(total costs)		
	coefficient	SE	P value	coefficient	SE	P value
(constant)	14.601	0.030	0.000	15.641	0.031	0.000
HG (ref= NHG)	-0.355	0.016	0.000	-0.346	0.016	0.000
Female (ref= male)	-0.063	0.012	0.000	-0.084	0.012	0.000
Age	0.001	0.000	0.001	-0.004	0.000	0.000
ACCI	0.019	0.003	0.000	0.014	0.003	0.000
KTAS ^a (ref= more urgency)	-0.054	0.018	0.003	-0.024	0.018	0.188
Prior hospitalization history	-0.002	0.001	0.247	0.005	0.001	0.001
LOS	0.034	0.001	0.000	0.036	0.001	0.000
ED-LOS	0.006	0.001	0.000	0.007	0.001	0.000
CPR (ref = No)	-0.170	0.071	0.016	0.039	0.071	0.585
ICU admission (ref = No)	0.711	0.027	0.000	0.384	0.027	0.000
Referral to specialty (ref = No)	0.391	0.017	0.000	0.415	0.017	0.000
Consultation	0.007	0.002	0.000	-0.005	0.002	0.006
IHM	0.127	0.024	0.000	2.798	0.024	0.000
Surgical intervention (ref = No)	0.282	0.019	0.000	0.200	0.019	0.000
Major diseases (ref= malignant neoplasms)						
Circulatory system	-0.031	0.025	0.220	-0.121	0.025	0.000
Respiratory system	-0.162	0.020	0.000	-0.173	0.020	0.000
Digestive system	-0.166	0.021	0.000	-0.225	0.021	0.000
Genitourinary system	-0.199	0.024	0.000	-0.154	0.024	0.000
Symptoms, signs and abnormal clinical and laboratory findings	-0.068	0.030	0.022	-0.157	0.030	0.000
Certain infectious and parasitic diseases	-0.207	0.031	0.000	-0.209	0.032	0.000
Endocrine, nutritional and metabolic diseases	-0.330	0.033	0.000	-0.268	0.033	0.000
Diseases of the blood and blood- forming organs and certain disorders involving the immune mechanism	-0.062	0.038	0.103	-0.168	0.039	0.000
Diseases of the musculoskeletal system and connective tissue	-0.326	0.042	0.000	-0.291	0.042	0.000
Others	-0.200	0.032	0.000	-0.153	0.032	0.000
	Adj- R2 = 0.686, F = 583.730 (p = 0.000)			Adj- R2 = 0.822, F = 1237.748 (p = 0.000)		

HG, hospitalist group; NHG, non-hospitalist group; ACCI, Age-adjusted Charlson Comorbidity Index; KTAS, Korean Triage and Acuity Scale; CPR, Cardio-pulmonary resuscitation; IHM, in-hospital mortality; ICU, intensive care unit; LOS, length of hospital stay; ED-LOS, emergency department length of stay; SE, standard error

"surgical intervention" implies the patient underwent surgery during the hospital stay, not before.

^athe less urgent group with KTAS = 4–5 was compared to the more urgent group with KTAS = 1–3.