

Supplementary 10. Natural log-transformed multivariable regression analysis for direct costs and indirect costs (N=6391)

Variables	Ln(direct costs)			Ln(indirect costs)		
	coefficient	SE	P value	coefficient	SE	P value
(constant)	14.946	0.027	0.000	14.542	0.030	0.000
HG (ref= NHG)	-0.336	0.014	0.000	-0.265	0.016	0.000
Female (ref= male)	-0.048	0.011	0.000	-0.156	0.012	0.000
Age	0.001	0.000	0.002	-0.009	0.000	0.000
ACCI	0.017	0.003	0.000	0.004	0.003	0.229
KTAS ^a (ref= more urgency)	-0.032	0.016	0.041	0.008	0.017	0.651
Prior hospitalization history	-0.000	0.001	0.763	0.007	0.001	0.000
LOS	0.038	0.001	0.000	0.040	0.001	0.000
ED-LOS	0.005	0.001	0.000	0.008	0.001	0.000
CPR (ref = No)	-0.186	0.062	0.003	0.199	0.069	0.004
ICU admission (ref = No)	0.573	0.024	0.000	-0.040	0.026	0.127
Referral to specialty (ref = No)	0.400	0.015	0.000	0.394	0.017	0.000
Consultation	0.002	0.001	0.194	-0.010	0.002	0.000
IHM	0.063	0.021	0.003	4.199	0.024	0.000
Surgical intervention (ref = No)	0.225	0.017	0.000	0.092	0.019	0.000
Major diseases (ref= malignant neoplasms)						
Circulatory system	-0.055	0.022	0.014	-0.248	0.025	0.000
Respiratory system	-0.116	0.018	0.000	-0.090	0.020	0.000
Digestive system	-0.163	0.019	0.000	-0.215	0.021	0.000
Genitourinary system	-0.150	0.021	0.000	-0.085	0.024	0.000
Symptoms, signs and abnormal clinical and laboratory findings	-0.084	0.026	0.001	-0.230	0.029	0.000
Certain infectious and parasitic diseases	-0.149	0.028	0.000	-0.124	0.031	0.000
Endocrine, nutritional and metabolic diseases	-0.257	0.029	0.000	-0.153	0.032	0.000
Diseases of the blood and blood- forming organs and certain disorders involving the immune mechanism	-0.094	0.034	0.005	-0.193	0.037	0.000
Diseases of the musculoskeletal system and connective tissue	-0.237	0.037	0.000	-0.193	0.041	0.000
Others	-0.138	0.028	0.000	-0.069	0.031	0.027
	Adj- R2 = 0.726, F = 705.745 (p = 0.000)			Adj- R2 = 0.891, F = 2173.571 (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.