

Supplementary 6. Cost analysis for patients with different comorbidity severities treated by hospitalists or non-hospitalists (N=6391)

Cost per patient admission (USD)	ACCI: 0-2 (N=1747)			ACCI: 3 (N=1169)		
	HG (n=729)	NHG (n=1018)	P value	HG (n=436)	NHG (n=733)	P value
Total costs	16700±97346	29640±141104	0.033	24948±111135	34965±117962	0.152
Direct costs	4079±5180	5430±8851	0.000	4945±6561	6614±8410	0.000
Direct medical costs	2955±4186	4130±7616	0.000	3545±5099	5006±6938	0.000
Consultation fee	207±163	225±216	0.065	227±162	259±218	0.007
Admission fee	612±794	852±1301	0.000	806±1855	1191±1860	0.001
Medication fee	669±1650	792±2939	0.308	822±2196	868±1975	0.712
Treatment and surgery fee	188±713	350±2163	0.053	191±481	457±1543	0.000
Medical examination fee	968±1143	1312±1586	0.000	1107±1243	1559±1672	0.000
Therapeutic materials	226±613	495±1361	0.000	231±442	512±1170	0.000
Others	85±150	105±198	0.023	163±460	160±395	0.905
Direct non-medical costs	1123±1134	1300±1506	0.008	1399±1568	1608±1749	0.041
Family caregiver transportation fare in hospitalization	148±147	168±195	0.017	184±203	208±227	0.065
Paid care cost in hospitalization	416±412	473±548	0.017	517±571	585±637	0.065
Doctor's labor cost	559±575	658±763	0.003	699±794	814±885	0.026
Indirect costs	12621±96482	24210±139010	0.052	20003±109606	28351±116657	0.227
Patient productivity loss according to LOS	590±683	686±1006	0.026	601±814	585±864	0.749
Family caregiver productivity loss according to LOS	842±835	958±1110	0.017	1046±1155	1184±1288	0.065
Patient productivity loss according to ED-LOS	96±86	120±108	0.000	77±71	92±108	0.011
Patient productivity loss according to IHM	11093±96269	22446±138553	0.057	18280±109064	26491±116420	0.233

Supplementary 5. Cost analysis for patients with different comorbidity severities treated by hospitalists or non-hospitalists (N=6391)

Cost per patient admission (USD)	ACCI: 4 (N=1445)			ACCI: ≥5 (N=2030)		
	HG (n=502)	NHG (n=943)	P value	HG (n=759)	NHG (n=1271)	P value
Total costs	14346±46751	22545±67961	0.016	25890±93774	24894±72473	0.789
Direct costs	5315±6670	6754±7792	0.000	7569±10891	7718±9325	0.745
Direct medical costs	3833±5553	5079±6432	0.000	5614±8912	5791±7629	0.635
Consultation fee	247±165	270±202	0.025	311±304	310±279	0.939
Admission fee	879±1158	1222±1657	0.000	1200±2277	1364±1865	0.078
Medication fee	926±3272	874±2016	0.709	1171±2236	991±2157	0.073
Treatment and surgery fee	168±372	398±1248	0.000	448±1747	509±1718	0.437
Medical examination fee	1224±1311	1603±1637	0.000	1682±2223	1742±1753	0.504
Therapeutic materials	250±583	561±1586	0.000	458±1290	615±1632	0.024
Others	138±279	151±310	0.428	345±951	260±690	0.021
Direct non-medical costs	1482±1320	1675±1606	0.021	1956±2229	1927±2071	0.771
Family caregiver transportation fare in hospitalization	195±171	217±208	0.038	256±289	250±268	0.643
Paid care cost in hospitalization	546±480	610±585	0.038	718±811	702±754	0.643
Doctor's labor cost	741±668	848±813	0.012	982±1129	976±1049	0.902
Indirect costs	9031±44942	15791±65530	0.039	18321±91272	17176±71183	0.753
Patient productivity loss according to LOS	418±605	413±467	0.863	602±932	518±711	0.023
Family caregiver productivity loss according to LOS	1106±972	1234±1183	0.038	1453±1642	1420±1526	0.643
Patient productivity loss according to ED-LOS	54±50	63±63	0.010	70±74	72±70	0.643
Patient productivity loss according to IHM	7452±44743	14081±65244	0.042	16195±90754	15167±71041	0.776

Data are presented as mean ± standard deviation. HG, hospitalist group; NHG, non-hospitalist group; ED-LOS, emergency department length of stay; LOS,

length of hospital stay; IHM, in hospital mortality; ACCI, Age-adjusted Charlson Comorbidity Index; Cost unit: USD (U.S. Dollar), (\$1=1307.9 KRW, year: 2023)