

Supplementary Table 1. Clinical characteristics of pneumonia patients in Korea (2019)

Characteristic	Total (n = 179,265)	Non-ARB/ACEI (n = 143,583)	ARB (n = 33,626)	ACEI (n = 2,056)	p value
Age, yr	38.93 ± 36.33	29.46 ± 34.10	77.15 ± 11.27	74.90 ± 19.14	< 0.0001
0–19	87,763 (48.96)	87,651 (61.05)	12 (0.04)	100 (4.86)	< 0.0001
20–59	16,913 (9.43)	14,245 (9.92)	2,572 (7.66)	96 (4.66)	
60–79	36,507 (20.36)	21,112 (14.71)	14,581 (43.36)	814 (39.59)	
≥ 80	38,082 (21.24)	20,575 (14.33)	16,461 (48.95)	1,046 (50.88)	
Female sex	88,560 (49.40)	70,831 (49.33)	16,938 (50.37)	791 (38.87)	< 0.0001
Comorbidity					
Any 1 comorbidity	88,509 (47.70)	50,167 (34.94)	33,323 (99.10)	2,019 (98.20)	< 0.0001
Hypertension	59,729 (33.32)	25,007 (17.42)	32,809 (95.57)	1,913 (93.04)	< 0.0001
Diabetes mellitus	41,868 (23.36)	20,511 (14.29)	20,161 (59.96)	1,196 (58.17)	< 0.0001
Coronary artery disease	22,761 (12.70)	10,021 (6.98)	11,656 (34.66)	1,084 (52.72)	< 0.0001
Heart failure	17,568 (9.80)	7,679 (5.35)	8,868 (26.37)	1,021 (49.66)	< 0.0001
Stroke	19,800 (11.05)	9,664 (6.73)	9,554 (28.41)	582 (28.31)	< 0.0001
COPD	45,053 (25.13)	28,983 (20.19)	15,094 (44.89)	976 (47.47)	< 0.0001
Cancer (any)	12,390 (6.91)	7,265 (5.06)	4,792 (14.25)	333 (16.20)	< 0.0001
Chronic kidney disease	6,389 (3.56)	2,063 (1.44)	4,042 (12.02)	284 (13.81)	< 0.0001
Medications					
ARBs	33,626 (18.76)	-	33,626 (100)	-	
ACEIs	2,056 (1.15)	-	-	2,056 (100)	
Death within 60 days	13,284 (7.41)	7,612 (5.30)	5,243 (15.59)	2,056 (20.87)	< 0.0001

Values are presented as mean ± standard deviation or number (%).

ARB, angiotensin receptor blocker; ACEI, angiotensin-converting enzyme inhibitor; COPD, chronic obstructive pulmonary disorder.