Supplementary Table 3. Baseline characteristics by CO quartiles (n=27,340)

Variable	1st quartile	2nd quartile	3rd quartile	4th quartile	*P*
Age (yr)	67.1±12.7	66.6±13.1	66.4±12.8	66.7±12.9	0.015
Male sex	4,325 (63.3)	4,403 (64.4)	4,340 (63.5)	4,338 (63.5)	0.509
Hypertension	4,358 (63.8)	4,347 (63.6)	4,341 (63.5)	4,411 (64.5)	0.585
Diabetes mellitus	2,146 (31.4)	2,149 (31.4)	2,069 (30.3)	2,130 (31.2)	0.416
Dyslipidemia	1,881 (27.5)	2,201 (32.2)	2,073 (30.3)	2,142 (31.3)	<0.001
Atrial fibrillation	1,093 (16.0)	1,127 (16.5)	1,108 (16.2)	1,170 (17.1)	0.314
Coronary heart disease	608 (8.9)	562 (8.2)	578 (8.5)	535 (7.8)	0.148
Current smoker	1,798 (26.3)	1,853 (27.1)	1,796 (26.3)	1,714 (25.1)	0.059
Previous stroke or TIA	1,097 (16.0)	1,064 (15.6)	1,104 (16.2)	1,131 (16.5)	0.481
Onset-to-arrival (hr)	9.0 (2.3–32.9)	9.5 (2.2–37.3)	9.6 (2.3–36.7)	10.8 (2.4–37.0)	0.189
NIHSS at admission	2.0 (1.0–5.0)	2.0 (1.0–5.0)	2.0 (1.0–5.0)	2.0 (1.0–5.0)	0.498
Stroke subtype (TOAST)					0.037
Large artery atherosclerosis	2,349 (34.4)	2,368 (34.6)	2,410 (35.3)	2,313 (33.8)	
Small vessel occlusion	1,551 (22.7)	1,574 (23.0)	1,555 (22.8)	1,649 (24.1)	
Cardioembolism	1,124 (16.4)	1,198 (17.5)	1,186 (17.4)	1,221 (17.9)	
Other determined	225 (3.3)	220 (3.2)	207 (3.0)	234 (3.4)	
Undetermined	1,586 (23.2)	1,475 (21.6)	1,477 (21.6)	1,418 (20.7)	
Symptomatic steno-occlusion of the relevant artery	2,612 (38.2)	2,574 (37.7)	2,661 (38.9)	2,543 (37.2)	0.185
Discharge antiplatelet	5,682 (83.1)	5,634 (82.4)	5,621 (82.2)	5,590 (81.8)	0.219
Discharge anticoagulant	1,245 (18.2)	1,252 (18.3)	1,251 (18.3)	1,304 (19.1)	0.531
Statin at discharge	6,288 (92.0)	6,350 (92.9)	6,359 (93.0)	6,300 (92.2)	0.046
IVT	815 (11.9)	745 (10.9)	777 (11.4)	718 (10.5)	0.052
EVT	434 (6.3)	417 (6.1)	460 (6.7)	413 (6.0)	0.335
Initial fasting glucose (mg/dL)	144.0±62.0	144.2±62.2	143.2±62.7	142.9±62.1	0.430
Initial SBP (mm Hg)	146.5±27.0	148.4±27.2	149.1±27.5	149.3±27.0	<0.001
GRDP per capita (thousands KRW)	32,845±20,253	36,139±36,245	36,563±32,665	34,797±33,338	<0.001
Marriage rate (%)	56.1±3.5	56.2±3.5	56.5±3.5	56.4±3.4	<0.001
High education rate (%)	45.3±10.1	48.5±10.6	48.1±11.0	50.5±11.0	<0.001
Working population rate (%)	57.6±4.0	58.3±3.4	58.3±3.3	58.8±2.8	<0.001
Green area proportion (%)	67.6±19.3	65.9±19.1	67.3±18.7	68.4±17.8	<0.001
Mean temperature (°C)	21.5±3.6	17.4±5.5	10.3±5.6	3.9±3.5	<0.001
Mean relative humidity (%)	75.0±5.8	69.9±6.5	65.4±6.3	63.4±5.1	<0.001
Mean atmospheric pressure (hPa)	1,000.0±3.9	1,002.6±5.1	1,007.8±4.5	1,011.0±2.3	<0.001
mRS at discharge	1.0 (1.0–2.0)	1.0 (1.0–2.0)	1.0 (1.0–2.0)	1.0 (1.0–2.0)	0.022
Discharge mRS 0–1	3,757 (55.0)	3,895 (57.0)	3,844 (56.2)	3,773 (55.2)	0.062

Values are mean±SD, n (%), or median (IQR). *P*-values from chi-squared test for categorical variables and ANOVA or Kruskal-Wallis test for continuous variables.

CO, carbon monoxide; TIA, transient ischemic attack; NIHSS, National Institutes of Health Stroke Scale; TOAST, Trial of Org 10172 in Acute Stroke Treatment; IVT, intravenous thrombolysis; EVT, endovascular thrombectomy; SBP, systolic blood pressure; GRDP, gross regional domestic product; KRW, Korean won; mRS, modified Rankin Scale; SD, standard deviation; IQR, interquartile range; ANOVA, analysis of variance.