Supplementary Table 4. Baseline characteristics by O_3 quartiles (n=27,340)

Variable	1st quartile	2nd quartile	3rd quartile	4th quartile	*P*
Age (yr)	66.5±13.0	66.7±12.8	66.7±12.9	66.9±12.8	0.391
Male sex	4,353 (63.7)	4,360 (63.8)	4,352 (63.7)	4,341 (63.5)	0.990
Hypertension	4,364 (63.8)	4,387 (64.2)	4,379 (64.1)	4,327 (63.3)	0.718
Diabetes mellitus	2,123 (31.1)	2,117 (31.0)	2,114 (30.9)	2,140 (31.3)	0.964
Dyslipidemia	2,142 (31.3)	2,070 (30.3)	2,092 (30.6)	1,993 (29.2)	0.046
Atrial fibrillation	1,135 (16.6)	1,097 (16.0)	1,126 (16.5)	1,140 (16.7)	0.758
Coronary heart disease	549 (8.0)	553 (8.1)	622 (9.1)	559 (8.2)	0.079
Current smoker	1,763 (25.8)	1,813 (26.5)	1,827 (26.7)	1,758 (25.7)	0.430
Previous stroke or TIA	1,118 (16.4)	1,101 (16.1)	1,074 (15.7)	1,103 (16.1)	0.779
Onset-to-arrival (hr)	10.0 (2.3–34.4)	9.5 (2.3–37.5)	9.2 (2.3–36.6)	9.9 (2.4–34.3)	0.830
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)	0.441
Stroke subtype (TOAST)					0.052
Large artery atherosclerosis	2,387 (34.9)	2,372 (34.7)	2,350 (34.4)	2,331 (34.1)	
Small vessel occlusion	1,660 (24.3)	1,573 (23.0)	1,533 (22.4)	1,563 (22.9)	
Cardioembolism	1,181 (17.3)	1,174 (17.2)	1,194 (17.5)	1,180 (17.3)	
Other determined	222 (3.2)	198 (2.9)	242 (3.5)	224 (3.3)	
Undetermined	1,385 (20.3)	1,518 (22.2)	1,516 (22.2)	1,537 (22.5)	
Symptomatic steno-occlusion of the relevant artery	2,510 (36.7)	2,634 (38.5)	2,611 (38.2)	2,635 (38.6)	0.087
Discharge antiplatelet	5,598 (81.9)	5,679 (83.1)	5,630 (82.4)	5,620 (82.2)	0.315
Discharge anticoagulant	1,279 (18.7)	1,234 (18.1)	1,274 (18.6)	1,265 (18.5)	0.756
Statin at discharge	6,248 (91.4)	6,411 (93.8)	6,312 (92.3)	6,326 (92.6)	<0.001
IVT	736 (10.8)	790 (11.6)	786 (11.5)	743 (10.9)	0.319
EVT	402 (5.9)	440 (6.4)	423 (6.2)	459 (6.7)	0.223
Initial fasting glucose (mg/dL)	143.7±62.9	143.7±63.2	143.7±63.1	143.2±59.8	0.798
Initial SBP (mm Hg)	148.7±27.0	147.7±27.0	148.5±27.4	148.4±27.5	0.174
GRDP per capita (thousands KRW)	34,074±33,485	35,366±33,692	35,233±29,471	35,671±28,005	<0.001
Marriage rate (%)	56.2±3.5	56.3±3.5	56.3±3.5	56.5±3.4	<0.001
High education rate (%)	50.4±10.8	48.0±10.7	47.6±10.7	46.5±10.7	<0.001
Working population rate (%)	58.6±3.0	58.0±3.5	58.2±3.6	58.0±3.6	<0.001
Green area proportion (%)	67.8±18.6	66.5±19.3	66.3±19.3	68.6±17.7	<0.001
Mean temperature (°C)	5.0±4.5	12.4±7.9	18.0±7.5	17.7±4.5	<0.001
Mean relative humidity (%)	65.4±5.2	68.8±8.1	71.4±8.7	68.1±6.0	<0.001
Mean atmospheric pressure (hPa)	1,011.1±2.2	1,007.0±5.1	1,002.2±5.4	1,001.0±3.9	<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	3,862 (56.5)	3,786 (55.4)	3,813 (55.8)	3,808 (55.7)	0.609

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.

O_3, ozone; 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.

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