Supplementary Table 5. Baseline characteristics by PM_{10} quartiles (n=27,340)

Variable	1st quartile	2nd quartile	3rd quartile	4th quartile	*P*
Age (yr)	66.8±12.8	66.9±12.9	66.4±12.9	66.6±12.9	0.126
Male sex	4,413 (64.6)	4,321 (63.2)	4,346 (63.6)	4,326 (63.3)	0.333
Hypertension	4,374 (64.0)	4,288 (62.7)	4,333 (63.4)	4,462 (65.3)	0.015
Diabetes mellitus	2,129 (31.1)	2,133 (31.2)	2,110 (30.9)	2,122 (31.0)	0.976
Dyslipidemia	2,142 (31.3)	1,979 (29.0)	2,011 (29.4)	2,165 (31.7)	<0.001
Atrial fibrillation	1,067 (15.6)	1,137 (16.6)	1,141 (16.7)	1,153 (16.9)	0.184
Coronary heart disease	592 (8.7)	607 (8.9)	570 (8.3)	514 (7.5)	0.023
Current smoker	1,848 (27.0)	1,795 (26.3)	1,748 (25.6)	1,770 (25.9)	0.240
Previous stroke or TIA	1,039 (15.2)	1,099 (16.1)	1,112 (16.3)	1,146 (16.8)	0.090
Onset-to-arrival (hr)	9.4 (2.3–34.8)	9.1 (2.3–34.8)	10.0 (2.4–34.3)	10.1 (2.2–39.0)	0.573
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)	0.010
Stroke subtype (TOAST)					<0.001
Large artery atherosclerosis	2,370 (34.7)	2,320 (33.9)	2,409 (35.2)	2,341 (34.3)	
Small vessel occlusion	1,563 (22.9)	1,541 (22.5)	1,568 (22.9)	1,657 (24.2)	
Cardioembolism	1,122 (16.4)	1,179 (17.2)	1,202 (17.6)	1,226 (17.9)	
Other determined	224 (3.3)	214 (3.1)	221 (3.2)	227 (3.3)	
Undetermined	1,556 (22.8)	1,581 (23.1)	1,435 (21.0)	1,384 (20.2)	
Symptomatic steno-occlusion of the relevant artery	2,557 (37.4)	2,610 (38.2)	2,702 (39.5)	2,521 (36.9)	0.009
Discharge antiplatelet	5,719 (83.7)	5,604 (82.0)	5,578 (81.6)	5,626 (82.3)	0.010
Discharge anticoagulant	1,203 (17.6)	1,278 (18.7)	1,280 (18.7)	1,291 (18.9)	0.190
Statin at discharge	6,404 (93.7)	6,267 (91.7)	6,283 (91.9)	6,343 (92.8)	<0.001
IVT	762 (11.1)	763 (11.2)	784 (11.5)	746 (10.9)	0.783
EVT	426 (6.2)	447 (6.5)	449 (6.6)	402 (5.9)	0.310
Initial fasting glucose (mg/dL)	144.5±62.9	142.5±61.6	143.4±62.9	144.0±61.6	0.150
Initial SBP (mm Hg)	147.5±26.9	147.5±27.1	148.3±27.4	150.0±27.3	<0.001
GRDP per capita (thousands KRW)	36,072±29,942	34,177±30,688	35,344±31,948	34,751±32,400	<0.001
Marriage rate (%)	56.3±3.5	56.2±3.4	56.4±3.6	56.3±3.4	<0.001
High education rate (%)	47.3±10.5	47.8±10.9	47.9±10.8	49.4±11.0	<0.001
Working population rate (%)	57.9±3.6	58.1±3.5	58.1±3.5	58.7±3.1	<0.001
Green area proportion (%)	66.6±19.2	67.6±18.7	66.8±18.8	68.2±18.2	<0.001
Mean temperature (°C)	21.1±4.8	15.1±7.1	9.5±6.9	7.4±5.9	<0.001
Mean relative humidity (%)	76.3±5.2	70.5±5.2	65.6±5.4	61.3±3.7	<0.001
Mean atmospheric pressure (hPa)	1,000.9±4.7	1,004.9±6.1	1,007.8±5.5	1,007.8±4.2	<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)	0.237
Discharge mRS 0–1	3,781 (55.3)	3,891 (56.9)	3,810 (55.7)	3,787 (55.4)	0.205

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.

PM, particulate matter; 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.