

**Supplementary Table 1.** Balance before and after propensity score matching for the main analysis

	Original dataset				Matched dataset			
	Mean control	Mean SGLT2i use	SMD	RV	Mean control	Mean SGLT2i use	SMD	RV
Propensity score	0.0838	0.1870	0.8134	2.1359	0.1708	0.1721	0.0104	1.0286
Age (yr)	70.6978	66.5676	-0.3565	1.1724	66.7488	67.4507	0.0606	0.9414
Male sex	0.6212	0.6622	0.0867	-	0.6667	0.6479	-0.0397	-
Hypertension	0.8148	0.8514	0.1029	-	0.8592	0.8451	-0.0396	-
Hyperlipidemia	0.6978	0.7973	0.2476	-	0.7676	0.7887	0.0526	-
Ever smoking	0.3245	0.4459	0.2443	-	0.4237	0.4225	-0.0024	-
Stroke history	0.2786	0.3378	0.1253	-	0.3134	0.3380	0.0521	-
Atrial fibrillation	0.2019	0.1892	-0.0326	-	0.1702	0.1972	0.0689	-
Coronary heart disease	0.1838	0.2838	0.2217	-	0.2711	0.2676	-0.0078	-
Heart failure	0.0877	0.1486	0.1712	-	0.1150	0.1268	0.0330	-
Active cancer	0.1323	0.0000	-0.4072	-	0.0000	0.0000	0.0000	-
HbA1c category (%)								
<7.0	0.5028	0.2297	-0.6491	-	0.2359	0.2394	0.0084	-
≥7.0	0.4972	0.7703	0.6491	-	0.7641	0.7606	-0.0084	-
eGFR category (mL/min/1.73 m <sup>2</sup> )								
≥60	0.7159	0.7432	0.0626	-	0.7383	0.7324	-0.0134	-
30–59	0.2159	0.2162	0.0008	-	0.2230	0.2254	0.0057	-
15–29	0.0265	0.0405	0.0714	-	0.0387	0.0423	0.0179	-
<15	0.0418	0.0000	-0.2189	-	0.0000	0.0000	0.0000	-
Intracranial atherosclerosis	0.4958	0.5135	0.0354	-	0.5117	0.5352	0.0470	-
Total SVD score	2.3036	2.0676	-0.1792	1.0283	2.1491	2.0986	-0.0383	1.0491
Prestroke statin use	0.4944	0.6757	0.3872	-	0.6326	0.6620	0.0627	-
Prestroke mRS	0.5111	0.4054	-0.1306	0.6253	0.3779	0.4085	0.0377	1.0463
Initial NIHSS	5.1058	4.3378	-0.1511	0.7361	4.5540	4.4366	-0.0231	1.0692
Intravenous thrombolysis	0.0696	0.0405	-0.1475	-	0.0387	0.0423	0.0179	-
Endovascular thrombectomy	0.0752	0.0405	-0.1758	-	0.0364	0.0423	0.0298	-
Stroke etiology								
LAA	0.3691	0.4595	0.1814	-	0.4765	0.4789	0.0047	-
SVO	0.2089	0.2162	0.0177	-	0.2277	0.2113	-0.0399	-
CE	0.2006	0.2027	0.0053	-	0.1937	0.1972	0.0088	-
Others	0.2214	0.1216	-0.3054	-	0.1021	0.1127	0.0323	-

SGLT2i, sodium-glucose cotransporter 2 inhibitor; SMD, standardized mean difference; RV, ratio of variance; HbA1c, hemoglobin A1c; eGFR, estimated glomerular filtration rate; SVD, small vessel disease; mRS, modified Rankin Scale; NIHSS, National Institutes of Health Stroke Scale; LAA, large artery atherosclerosis; SVO, small vessel occlusion; CE, cardioembolism.