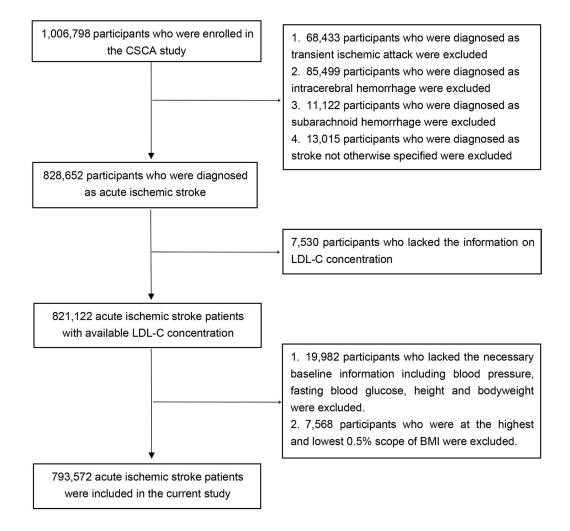
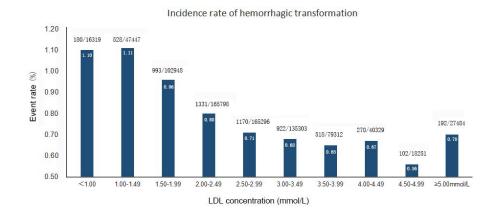
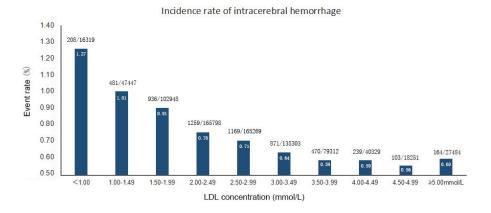
## Supplemental figure 1. Study flowchart

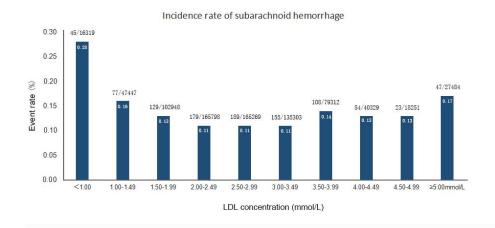
Abbreviations: CSCA, China Stroke Center Alliance; LDL-C, low density lipoprotein cholesterol; BMI, body mass index.



**Supplemental figure 2.** Event rates of hemorrhagic transformation, intracerebral hemorrhage and subarachnoid hemorrhage across per 0.5mmol/L of LDL-C Abbreviations: LDL-C, low density lipoprotein cholesterol.







**Supplemental figure 3.** Odds ratios and 95% confidence intervals of hemorrhagic transformation, intracerebral hemorrhage and subarachnoid hemorrhage according to different LDL-C levels

Adjusted for age, sex, smoking, alcohol intake, NIHSS (0-4; 5-15; 16-20; 21-42; missing NIHSS); medical history (hypertension; diabetes mellitus); history of anticoagulation; dual antiplatelet therapy; SBP (per 20mmHg); fasting glucose; IV thrombolytic therapy; BMI, kg/m2 (<18.5, 18.5-25, 25-30,  $\ge 30$ ).

Abbreviations: OR, Odds Ratio; CI, confidence interval; LDL-C, low density lipoprotein cholesterol.

LDL-C concentration (mmol/L)	Patients/Events	Event Rate	OR(95% CI)	
Hemorrhagic transformation			,,	
1.8-2.59 (Reference)	2022/249333	0.81	1	Ī
<1.4	574/50991	1.13	1.23 (1.12-1.35)	<b>⊢</b>
1.4-1.79	689/67587	1.02	1.21(1.11-1.32)	
2.6-3.0	917/129870	0.71	0.90 (0.83-0.97)	· <b>-</b>
3.0-4.89	1796/270793	0.66	0.85 (0.80-0.91)	-
≥4.9	208/29886	0.70	0.75 (0.65-0.87)	
				0.5 1 1.
Intracerebral hemorrhage				
1.8-2.59 (Reference)	1945/249333	0.78	1	T
<1.4	547/50991	1.07	1.29 (1.17-1.42)	-
1.4-1.79	660/67587	0.98	1.23(1.12-1.34)	
2.6-3.0	901/129870	0.69	0.90 (0.83-0.98)	1 <del>=</del> -
3.0-4.89	1670/270793	0.62	0.79 (0.74-0.85)	_
≥4.9	375/29886	0.59	0.68 (0.58-0.80)	<b>⊢■</b> →
				0.5 1 1
Subarachnoid hemorrhage				0.5
1.8-2.59 (Reference)	264/249333	0.11	1	Ī
<1.4	109/50991	0.21	1.83(1.46-2.29)	-
1.4-1.79	93/67587	0.14	1.27 (1.00-1.60)	-
2.6-3.0	153/129870	0.12	1.14 (0.94-1.39)	-
3.0-4.89	335/270793	0.12	1.21 (1.03-1.42)	
≥4.9	52/29886	0.17	1.45 (1.07-1.94)	
				1 1.5