Supplementary Table S1: ICD-10 outcome definitions

Outcome	ICD-10 Codes	ICD-10 Description
Ischemic stroke	I63	Cerebral infarction
	I69.3	Sequelae of cerebral infarction
	G45	Transient cerebral ischemic attacks and related syndromes
Venous thrombosis	I82	Other venous embolism and thrombosis
Pulmonary embolism	I26	Pulmonary embolism
Arterial embolism*	I74	Arterial embolism and thrombosis
Acute kidney injury (AKI)	N17	Acute kidney failure
Thrombotic disorders†	I74	Arterial embolism and thrombosis
	I82	Other venous embolism and thrombosis
	I26	Pulmonary embolism
Major adverse cardiovascular events (MACE)‡	I21	Acute myocardial infarction
	I22	Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction
	I63	Cerebral infarction
	I26	Pulmonary embolism
	I74	Arterial embolism and thrombosis
	I82	Other venous embolism and thrombosis
	R57.0	Cardiogenic shock

* Arterial embolism referred to non-cerebral arterial embolism and thrombosis (ICD-10 I74). Cerebrovascular ischemic events were analyzed separately under ischemic stroke outcomes.
† The composite outcome “thrombotic disorders” included venous thromboembolic and non-cerebral arterial thromboembolic events. Individual thrombotic outcomes were additionally analyzed separately to provide outcome-specific risk estimates.
‡ MACE was defined as a composite endpoint including acute myocardial infarction, ischemic stroke, pulmonary embolism, venous thrombosis, arterial embolism/thrombosis, and cardiogenic shock.

Supplementary Table S2. Extended Risk-Based Statistical Analyses of Clinical Outcomes

Outcome	Odds Ratio (95% CI)	Risk Difference (95% CI)	z-value	Cohen's d
Acute kidney injury	2.231 (1.353–3.679)	0.094 (0.023–0.166)	3.216	0.38
Arterial embolism	1.153 (0.736–1.806)	0.024 (−0.054–0.103)	0.623	0.06
Ischemic stroke	1.342 (0.690–2.611)	0.021 (−0.032–0.075)	0.869	0.15
MACE	1.852 (1.269–2.701)	0.149 (0.056–0.243)	3.234	0.20
Pulmonary embolism	1.702 (0.866–3.346)	0.035 (−0.018–0.088)	1.560	0.27
Thrombotic disorders	1.922 (1.315–2.808)	0.154 (0.061–0.247)	3.416	0.36
Venous thrombosis	2.443 (1.582–3.772)	0.142 (0.060–0.224)	4.135	0.39