

Supplementary Table 1. Stroke/transient ischemic attack categorization

Category	ICD-9 code	Diagnosis
Ischemic stroke	433.01	Occlusion and stenosis of basilar artery with cerebral infarction
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction
	433.21	Occlusion and stenosis of vertebral artery with cerebral infarction
	433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction
	433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction
	433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction
	434	Cerebral thrombosis without mention of cerebral infarction
	434.01	Cerebral thrombosis with cerebral infarction
	434.1	Cerebral embolism without mention of cerebral infarction
	434.11	Cerebral embolism with cerebral infarction
	434.9	Cerebral artery occlusion, unspecified without mention of cerebral infarction
	434.91	Cerebral artery occlusion, unspecified with cerebral infarction
	Hemorrhagic stroke	430
431		Intracerebral hemorrhage
Transient ischemic attack	435	Basilar artery syndrome
	435.1	Vertebral artery syndrome
	435.3	Vertebrobasilar artery syndrome
	435.8	Other specified transient cerebral ischemias
	435.9	Unspecified transient cerebral ischemia
Unknown stroke	436	Acute, but ill-defined, cerebrovascular disease
	997.02	Iatrogenic cerebrovascular infarction or hemorrhage

Inclusion criteria: CMS CCW algorithm requires at least 1 inpatient or 2 hospital outpatient or carrier claim with diagnosis (Dx) code within previous 1 year. Exclusion criteria: If any of the qualifying claims have: $800 \leq \text{Dx code} \leq 804.9$, $850 \leq \text{Dx code} \leq 854.1$ in any Dx position OR Dx V57xx as the principal Dx code, then they were excluded.

ICD-9, International Classification of Diseases, Ninth Revision; CMS, US Centers for Medicare and Medicaid Services; CCW, Chronic Condition Warehouse.