

Neurology Stroke Clinic ICD-10 documentation

Seven key impacts to ICD-10 documentation

1. Disease or disorder site
2. Acuity and/or encounter status of treatment
3. Etiology, causative agent, or disease type and injury/
poisoning cause, intent, activity at the time of the event
and place event occurred
4. Underlying and associated conditions
5. Manifestations
6. Complications or adverse events
7. Supporting info such as lab values or socioeconomic key
impacts to ICD-10 documentation

Most commonly used diagnoses

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Acute, but ill-defined, cerebrovascular disease	436	I67.89	Other cerebrovascular disease	Refer to 7 key impacts of ICD-10 Documentation
Alterations of sensations as late effect of cerebrovascular disease	438.6	I69.998	Other sequelae following unspecified cerebrovascular disease	
Aphasia as late effect of cerebrovascular disease	438.11	I69.020	Aphasia following nontraumatic subarachnoid hemorrhage	
		I69.120	Aphasia following nontraumatic intracerebral hemorrhage	
		I69.220	Aphasia following other nontraumatic intracranial hemorrhage	
		I69.320	Aphasia following cerebral infarction	
		I69.820	Aphasia following other cerebrovascular disease	
		I69.920	Aphasia following unspecified cerebrovascular disease	



ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Apraxia as late effect of cerebrovascular disease	438.81	169.090	Apraxia following nontraumatic subarachnoid hemorrhage	
		169.190	Apraxia following nontraumatic intracerebral hemorrhage	
		169.290	Apraxia following other nontraumatic intracranial hemorrhage	
		169.390	Apraxia following cerebral infarction	
		169.890	Apraxia following other cerebrovascular disease	
		169.990	Apraxia following unspecified cerebrovascular disease	
Ataxia as late effect of cerebrovascular disease	438.84	169.093	Ataxia following nontraumatic subarachnoid hemorrhage	
		169.193	Ataxia following nontraumatic intracerebral hemorrhage	
		169.293	Ataxia following other nontraumatic intracranial hemorrhage	
		169.393	Ataxia following cerebral infarction	
		169.893	Ataxia following other cerebrovascular disease	
		169.993	Ataxia following unspecified cerebrovascular disease	
Cerebral aneurysm, nonruptured	437.3	167.1	Cerebral aneurysm, nonruptured	
Cerebral arteritis	437.4	167.7	Cerebral arteritis, not elsewhere classified	
		168.2	Cerebral arteritis in other diseases classified elsewhere	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
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Cerebral artery occlusion, unspecified, with cerebral infarction	434.91	I63.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery	
		I63.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery	
		I63.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery	
		I63.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery	
		I63.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery	
		I63.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery	
		I63.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery	
		I63.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery	
		I63.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery	
		I63.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery	
		I63.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery	
		I63.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery	
		I63.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery	
		I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery	
I63.8	Other cerebral infarction			
I63.9	Cerebral infarction, unspecified			

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
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Cerebral artery occlusion, unspecified, without mention of cerebral infarction	434.90	I66.01	Occlusion and stenosis of right middle cerebral artery	
		I66.02	Occlusion and stenosis of left middle cerebral artery	
		I66.03	Occlusion and stenosis of bilateral middle cerebral arteries	
		I66.09	Occlusion and stenosis of unspecified middle cerebral artery	
		I66.11	Occlusion and stenosis of right anterior cerebral artery	
		I66.12	Occlusion and stenosis of left anterior cerebral artery	
		I66.13	Occlusion and stenosis of bilateral anterior cerebral arteries	
		I66.19	Occlusion and stenosis of unspecified anterior cerebral artery	
		I66.21	Occlusion and stenosis of right posterior cerebral artery	
		I66.22	Occlusion and stenosis of left posterior cerebral artery	
		I66.23	Occlusion and stenosis of bilateral posterior cerebral arteries	
		I66.29	Occlusion and stenosis of unspecified posterior cerebral artery	
		I66.3	Occlusion and stenosis of cerebellar arteries	
		I66.8	Occlusion and stenosis of other cerebral arteries	
I66.9	Occlusion and stenosis of unspecified cerebral artery			

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Cerebral embolism, with cerebral infarction	434.11	I63.40	Cerebral infarction due to embolism of unspecified cerebral artery	
		I63.411	Cerebral infarction due to embolism of right middle cerebral artery	
		I63.412	Cerebral infarction due to embolism of left middle cerebral artery	
		I63.419	Cerebral infarction due to embolism of unspecified middle cerebral artery	
		I63.421	Cerebral infarction due to embolism of right anterior cerebral artery	
		I63.422	Cerebral infarction due to embolism of left anterior cerebral artery	
		I63.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery	
		I63.431	Cerebral infarction due to embolism of right posterior cerebral artery	
		I63.432	Cerebral infarction due to embolism of left posterior cerebral artery	
		I63.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery	
		I63.441	Cerebral infarction due to embolism of right cerebellar artery	
		I63.442	Cerebral infarction due to embolism of left cerebellar artery	
		I63.449	Cerebral infarction due to embolism of unspecified cerebellar artery	
		I63.49	Cerebral infarction due to embolism of other cerebral artery	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Cerebral embolism, without mention of cerebral infarction	434.10	I66.01	Occlusion and stenosis of right middle cerebral artery	
		I66.02	Occlusion and stenosis of left middle cerebral artery	
		I66.03	Occlusion and stenosis of bilateral middle cerebral arteries	
		I66.09	Occlusion and stenosis of unspecified middle cerebral artery	
		I66.11	Occlusion and stenosis of right anterior cerebral artery	
		I66.12	Occlusion and stenosis of left anterior cerebral artery	
		I66.13	Occlusion and stenosis of bilateral anterior cerebral arteries	
		I66.19	Occlusion and stenosis of unspecified anterior cerebral artery	
		I66.21	Occlusion and stenosis of right posterior cerebral artery	
		I66.22	Occlusion and stenosis of left posterior cerebral artery	
		I66.23	Occlusion and stenosis of bilateral posterior cerebral arteries	
		I66.29	Occlusion and stenosis of unspecified posterior cerebral artery	
		I66.3	Occlusion and stenosis of cerebellar arteries	
		I66.9	Occlusion and stenosis of unspecified cerebral artery	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Cerebral thrombosis, with cerebral infarction	434.01	I63.30	Cerebral infarction due to thrombosis of unspecified cerebral artery	
		I63.311	Cerebral infarction due to thrombosis of right middle cerebral artery	
		I63.312	Cerebral infarction due to thrombosis of left middle cerebral artery	
		I63.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery	
		I63.321	Cerebral infarction due to thrombosis of right anterior cerebral artery	
		I63.322	Cerebral infarction due to thrombosis of left anterior cerebral artery	
		I63.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery	
		I63.331	Cerebral infarction due to thrombosis of right posterior cerebral artery	
		I63.332	Cerebral infarction due to thrombosis of left posterior cerebral artery	
		I63.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery	
		I63.341	Cerebral infarction due to thrombosis of right cerebellar artery	
		I63.342	Cerebral infarction due to thrombosis of left cerebellar artery	
		I63.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery	
		I63.39	Cerebral infarction due to thrombosis of other cerebral artery	
	I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic		
Cognitive deficits as late effect of cerebrovascular disease	438.0	I69.01	Cognitive deficits following nontraumatic subarachnoid hemorrhage	
		I69.11	Cognitive deficits following nontraumatic intracerebral hemorrhage	
		I69.21	Cognitive deficits following other nontraumatic intracranial hemorrhage	
		I69.31	Cognitive deficits following cerebral infarction	
		I69.81	Cognitive deficits following other cerebrovascular disease	
		I69.91	Cognitive deficits following unspecified cerebrovascular disease	
Disturbances of vision as late effect of cerebrovascular disease	438.7	I69.998	Other sequelae following unspecified cerebrovascular disease	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Dysphagia as late effect of cerebrovascular disease	438.82	169.091	Dysphagia following nontraumatic subarachnoid hemorrhage	
		169.191	Dysphagia following nontraumatic intracerebral hemorrhage	
		169.291	Dysphagia following other nontraumatic intracranial hemorrhage	
		169.391	Dysphagia following cerebral infarction	
		169.891	Dysphagia following other cerebrovascular disease	
		169.991	Dysphagia following unspecified cerebrovascular disease	
Dysphasia as late effect of cerebrovascular disease	438.12	169.021	Dysphasia following nontraumatic subarachnoid hemorrhage	
		169.121	Dysphasia following nontraumatic intracerebral hemorrhage	
		169.221	Dysphasia following other nontraumatic intracranial hemorrhage	
		169.321	Dysphasia following cerebral infarction	
		169.821	Dysphasia following other cerebrovascular disease	
		169.921	Dysphasia following unspecified cerebrovascular disease	
Facial weakness as late effect of cerebrovascular disease	438.83	169.092	Facial weakness following nontraumatic subarachnoid hemorrhage	
		169.192	Facial weakness following nontraumatic intracerebral hemorrhage	
		169.292	Facial weakness following other nontraumatic intracranial hemorrhage	
		169.392	Facial weakness following cerebral infarction	
		169.892	Facial weakness following other cerebrovascular disease	
		169.992	Facial weakness following unspecified cerebrovascular disease	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
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Hemiplegia affecting dominant side as late effect of cerebrovascular disease	438.21	169.051	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side	
		169.052	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side	
		169.059	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side	
		169.151	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side	
		169.152	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side	
		169.159	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side	
		169.251	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side	
		169.252	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side	
		169.259	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side	
		169.351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side	
		169.352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side	
		169.359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side	
		169.851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side	
		169.852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side	
		169.859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side	
		169.951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side	
169.952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side			
169.959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side			

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Hemiplegia affecting nondominant side as late effect of cerebrovascular disease	438.22	169.053	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	
		169.054	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	
		169.059	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side	
		169.153	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side	
		169.154	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side	
		169.159	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side	
		169.253	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side	
		169.254	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side	
		169.259	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side	
		169.353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side	
		169.354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side	
		169.359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side	
		169.853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side	
		169.854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side	
		169.859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side	
		169.953	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side	
169.954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side			
169.959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side			

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
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Hemiplegia affecting unspecified side as late effect of cerebrovascular disease	438.20	169.051	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side	
		169.052	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side	
		169.053	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side	
		169.054	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side	
		169.059	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting unspecified side	
		169.151	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side	
		169.152	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side	
		169.153	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side	
		169.154	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side	
		169.159	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting unspecified side	
		169.251	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side	
		169.252	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side	
		169.253	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side	
		169.254	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side	
		169.259	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting unspecified side	
169.351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side			
169.352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side			

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
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		169.353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side	
		169.354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side	
		169.359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side	
		169.851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side	
		169.852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side	
		169.853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side	
		169.854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side	
		169.859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side	
		169.951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side	
		169.952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side	
		169.953	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side	
		169.954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side	
		169.959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side	
Hypertensive encephalopathy	437.2	167.4	Hypertensive encephalopathy	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Intracerebral hemorrhage	431	161.0	Nontraumatic intracerebral hemorrhage in hemisphere, subcortical	
		161.1	Nontraumatic intracerebral hemorrhage in hemisphere, cortical	
		161.2	Nontraumatic intracerebral hemorrhage in hemisphere, unspecified	
		161.3	Nontraumatic intracerebral hemorrhage in brain stem	
		161.4	Nontraumatic intracerebral hemorrhage in cerebellum	
		161.5	Nontraumatic intracerebral hemorrhage, intraventricular	
		161.6	Nontraumatic intracerebral hemorrhage, multiple localized	
		161.8	Other nontraumatic intracerebral hemorrhage	
		161.9	Nontraumatic intracerebral hemorrhage, unspecified	
Moyamoya disease	437.5	167.5	Moyamoya disease	
Nonpyogenic thrombosis of intracranial venous sinus	437.6	167.6	Nonpyogenic thrombosis of intracranial venous system	
Other congenital anomalies of peripheral vascular system	747.6			
Other late effects of cerebrovascular disease	438.89	169.098	Other sequelae following nontraumatic subarachnoid hemorrhage	
		169.198	Other sequelae of nontraumatic intracerebral hemorrhage	
		169.298	Other sequelae of other nontraumatic intracranial hemorrhage	
		169.398	Other sequelae of cerebral infarction	
		169.898	Other sequelae of other cerebrovascular disease	
		169.998	Other sequelae following unspecified cerebrovascular disease	
Other speech and language deficits as late effect of cerebrovascular disease	438.19	169.028	Other speech and language deficits following nontraumatic subarachnoid hemorrhage	
		169.128	Other speech and language deficits following nontraumatic intracerebral hemorrhage	
		169.228	Other speech and language deficits following other nontraumatic intracranial hemorrhage	
		169.328	Other speech and language deficits following cerebral infarction	
		169.828	Other speech and language deficits following other cerebrovascular disease	
		169.928	Other speech and language deficits following unspecified cerebrovascular disease	

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
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Speech and language deficit, unspecified, as late effect of cerebrovascular disease	438.10	I69.928	Other speech and language deficits following unspecified cerebrovascular disease	
Subarachnoid hemorrhage	430	I60.00	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation	
		I60.01	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation	
		I60.02	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation	
		I60.10	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery	
		I60.11	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery	
		I60.12	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery	
		I60.20	Nontraumatic subarachnoid hemorrhage from unspecified anterior communicating artery	
		I60.21	Nontraumatic subarachnoid hemorrhage from right anterior communicating artery	
		I60.22	Nontraumatic subarachnoid hemorrhage from left anterior communicating artery	
		I60.30	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery	
		I60.31	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery	
		I60.32	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery	
		I60.4	Nontraumatic subarachnoid hemorrhage from basilar artery	
		I60.50	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery	
		I60.51	Nontraumatic subarachnoid hemorrhage from right vertebral artery	
		I60.52	Nontraumatic subarachnoid hemorrhage from left vertebral artery	
			I60.6	Nontraumatic subarachnoid hemorrhage from other intracranial arteries
	I60.7	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery		
	I60.8	Other nontraumatic subarachnoid hemorrhage		
	I60.9	Nontraumatic subarachnoid hemorrhage, unspecified		

ICD-9 Name	ICD-9 Code	ICD-10 Code	ICD-10 Name	Documentation tips
Unspecified cerebrovascular disease	437.9	I67.9	Cerebrovascular disease, unspecified	
Unspecified late effects of cerebrovascular disease	438.9	I69.00	Unspecified sequelae of nontraumatic subarachnoid hemorrhage	
		I69.10	Unspecified sequelae of nontraumatic intracerebral hemorrhage	
		I69.20	Unspecified sequelae of other nontraumatic intracranial hemorrhage	
		I69.30	Unspecified sequelae of cerebral infarction	
		I69.80	Unspecified sequelae of other cerebrovascular disease	
		I69.90	Unspecified sequelae of unspecified cerebrovascular disease	
Vertigo as late effect of cerebrovascular disease	438.85	I69.998	Other sequelae following unspecified cerebrovascular disease	

The ICD-10 Provider Specialty Tool Kit is meant to assist providers with documentation best practices necessary for the transition from ICD-9-CM to ICD-10-CM. This tool kit includes the most commonly used diagnoses for a specialty using 2012 claims data for top encounters and top number of dollars per diagnosis. The tool kit can be used as a quick reference guide for providers and can also be shared with Practice Managers. This tool kit is not meant to be a coding cross walk and therefore should not be used as such. Questions regarding this tool kit and/or ICD-10 should be submitted via email to ICD10@choa.org.