

Sister Study Stroke Outcomes¹ and Characteristics: Data Release 10.1²

	N	% of cohort
Total Cases³	1,843	3.6
Timing and Diagnosis	N	% of cases
Baseline	394	21.4
Hemorrhagic stroke – Nontraumatic intracerebral	74	4.0
Cerebral infarction (ischemic stroke)	5	0.3
Stroke, unspecified	315	17.1
Unknown timing ⁴	151	8.2
Hemorrhagic stroke	3	0.2
Nontraumatic subarachnoid hemorrhage	1	0.1
Nontraumatic intracerebral hemorrhage	2	0.1
Stroke, unspecified	148	8.0
Incident	1,298	70.4
Hemorrhagic stroke	130	7.1
Nontraumatic subarachnoid hemorrhage	32	1.7
Nontraumatic intracerebral hemorrhage	59	3.2
Nontraumatic subdural hemorrhage	23	1.2
Nontraumatic intracranial hemorrhage, unspecified	15	0.8
Presumed hemorrhagic stroke ⁵	1	0.1
Cerebral venous thrombosis	1	0.1
Cerebral infarction (ischemic stroke)	110	6.0
Spinal cord stroke	1	0.1
Cerebellar stroke syndrome	2	0.1
Intraoperative stroke	6	0.3
Postprocedural stroke	2	0.1
Stroke, unspecified	1,046	56.8
Incident	1,298	
Race/Ethnicity⁶		
Non-Hispanic White	1,071	82.5
Non-Hispanic Black	124	9.6
Hispanic	56	4.3
Other	47	3.6
Age (in years) at Diagnosis⁷		
Under 50	35	2.7
50-64	339	26.1
65 and older	924	71.2
Diagnosis Confirmation⁸		
Medical	257	19.8
NDI Plus or death certificate only	152	11.7
None	889	68.5

¹ Stroke events are defined by the following ICD10 codes: nontraumatic subarachnoid hemorrhage (I60); nontraumatic intracerebral hemorrhage (I61); other and unspecified nontraumatic intracranial hemorrhage (I62) but excluding nontraumatic extradural hemorrhage (I62.1); cerebral infarction (ischemic stroke) or unspecified stroke (I63, I64); intracranial and intraspinal phlebitis and thrombophlebitis (G08); acute infarction of spinal cord (embolic) (nonembolic) (G95.11); vascular syndromes of brain in cerebrovascular diseases (G46); persistent migraine aura with cerebral infarction (G43.6); intraoperative cerebrovascular infarction (I97.81); postprocedural cerebrovascular infarction (I97.82). Other ICD10 codes that may be used only under specified conditions: 1) cerebral aneurysm, nonruptured (I67.1) only if deceased and confirmed as the primary/underlying cause of death from National Death Index (NDI) Plus or death certificate and 2) sequelae of cerebrovascular disease (I69) only in absence of one of the stroke ICD10 codes.

² Data release 10.1 includes outcomes from follow-up phases that closed on or before 10/12/2020, excluding all data from participants who have withdrawn their data from the study (n=4).

³ Excludes diagnoses where stroke could not be ruled out, but is not the likely diagnosis [n=7]

⁴ Unknown timing represents cases that are unknown if diagnosis at or prior to baseline vs. post-baseline (i.e. incident case)

⁵ Includes those with report of cerebral aneurysm, nonruptured (I67.1) that is confirmed as the primary/underlying cause of death from NDI Plus or death certificate in the absence of any stroke ICD10 codes.

⁶ Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race

⁷ For those missing age at diagnosis [n=101], age was imputed as the midpoint of the range of plausible ages at diagnosis

⁸ Medical confirmation is generally from medical records but also includes medical discharge/billing documentation [n=1]; NDI Plus or death certificate confirmation is specific to cases that do not have medical confirmation