

Wellstar North Fulton Hospital

Stroke Center Performance and Outcome Measures

WS North Fulton Stroke Volume

Stroke is one of the top 5 leading causes of death in Georgia and the leading cause of disability. Wellstar North Fulton Hospital has treated over 1,010 strokes. The Program provides comprehensive stroke care for the major types of strokes such as Acute Ischemic Stroke, Intracerebral Hemorrhage, and Subarachnoid Hemorrhage since 2020.

Types of Strokes (cases)	2020	2021	Jan-Jul 2022	Total Cases
Acute Ischemic Stroke	111	313	219	643
Transient Ischemic Attack	19	48	29	96
Intracerebral Hemorrhage	35	93	62	190
Subarachnoid Hemorrhage	2	47	32	81
Total number of strokes/ year	167	501	342	1010

Date: Georgia Department of Health, Coverdell 2013

WS North Fulton Stroke Treatments

Wellstar North Fulton hospital has provided 78 clot busting drugs (IV Thrombolytics) in the community and performed 157 clot retrievals (mechanical thrombectomy) since 2020.

Stroke Treatments (cases)	2020	2021	Jan-Jul 2022	Total Cases
Intravenous Thrombolytics (tPA/TNK)	18	31	29	78
Mechanical Thrombectomy	20	88	49	157
Carotid artery stenting (CAS)	5	27	7	39
Carotid Endarterectomy (CEA)	4	7	0	11
Aneurysmal Embolization/ Coiling	1	41	24	66
Aneurysmal Clipping	4	5	1	10
Total Procedures/ year	50	194	110	354

Mechanical Thrombectomy for Acute Ischemic Stroke

Mechanical Thrombectomy is a procedure that opens a blocked artery that can restore circulation to the affected part of the brain during stroke. Wellstar North Fulton neuro-endovascular specialists were able to perform removal of clot and restore circulation in **94.10%** of the time. This is more than regional and national rates.

	2020	2021	2022
WS North Fulton Rate	94.7%	89.50%	94.10%

30-Day Mortality

Intravenous reperfusion and endovascular intervention are advanced techniques for reversing stroke symptoms. Wellstar North Fulton takes care of all types of severity of stroke including high risk patients. Below are the 30 Day All Cause Observed Death rates according to the stroke intervention.

Observed Mortality case (%)	2020	2021	Jan-Jul 2022	Total
IV TPA TNK (total cases)	18	31	28	77
30 Day Death cases (%)	0(0)	0(0)	0(0)	0(0)
Mechanical Thrombectomy (total cases)	20	88	49	157
30 Day Death cases (%)	0/0	2(2.27%)	1(2.4%)	3(1.91%)
Carotid Artery Stenting (total cases)	7	32	6	45
30 Day Death cases (%)	0	1(3.12%)	0	1(2.2%)
Carotid Endarterectomy (total Cases)	4	7	0	11
30 Death cases (%)	0	0	0	0