

High-Quality Stroke Care

At Advocate Aurora Health Care, our stroke treatments and elective procedures consistently deliver excellent results with fewer complications than expected. We closely monitor every outcome to ensure the highest standards of safety and quality, and our results regularly exceed national benchmarks. This means patients can feel confident knowing they are receiving care from a team committed to exceptional outcomes and patient safety.

At Advocate Aurora Health Care, we perform advanced elective and emergent neurologic and vascular surgeries required to be a Comprehensive Stroke Center (CSC). Additionally, CSC hospitals are required to perform a certain number of procedures and track outcomes of selected procedures. Patients who have non-ruptured intracranial aneurysm, ruptured intracranial aneurysm and carotid stenosis seek our expert surgical services.

Below you can see how Advocate Lutheran General Hospital and Advocate Illinois Masonic Medical Center operated in 2024.

Procedures for Carotid Stenosis

Carotid stenosis happens when the arteries in your neck become narrowed by plaque, reducing blood flow to the brain and raising stroke risk. Below are two procedures that can help prevent this, and our team consistently delivers excellent results that are safer than national averages.

1. Carotid Endarterectomy (CEA)

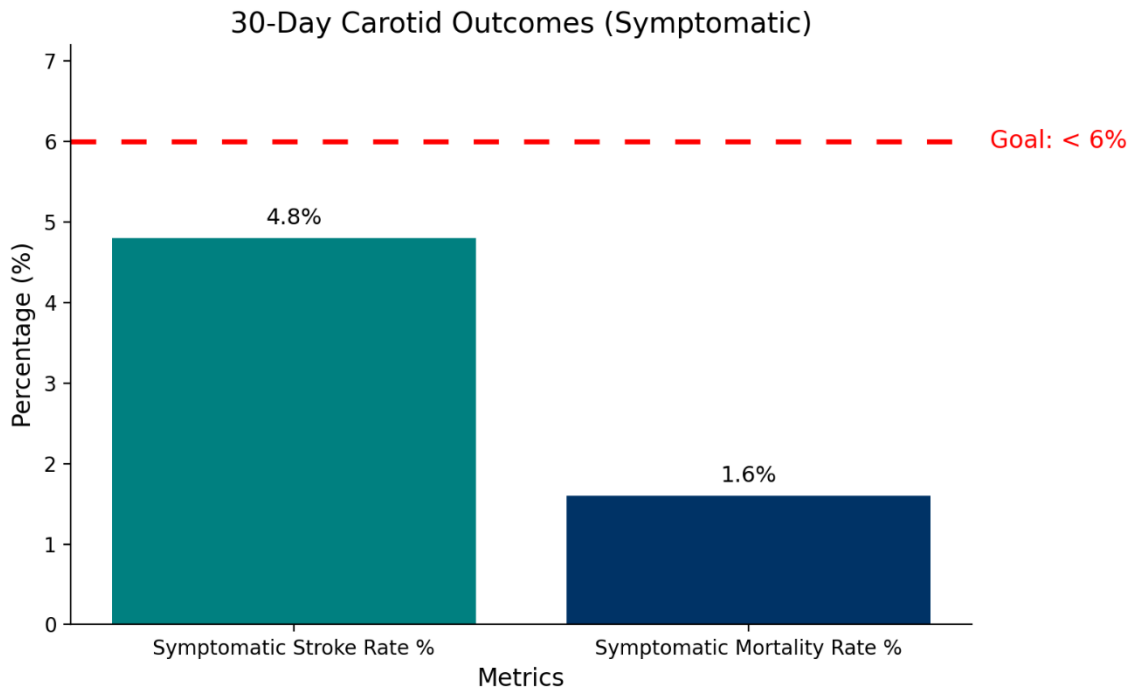
- A **surgical procedure** where the surgeon makes an incision in the neck, opens the artery, and **removes the plaque** directly.
- This restores normal blood flow and lowers stroke risk.

2. Carotid Artery Stenting (CAS)

- A **minimally invasive procedure** done through a small tube (catheter) inserted in the groin or arm.
- A tiny mesh tube called a **stent** is placed inside the artery to **hold it open** and improve blood flow.

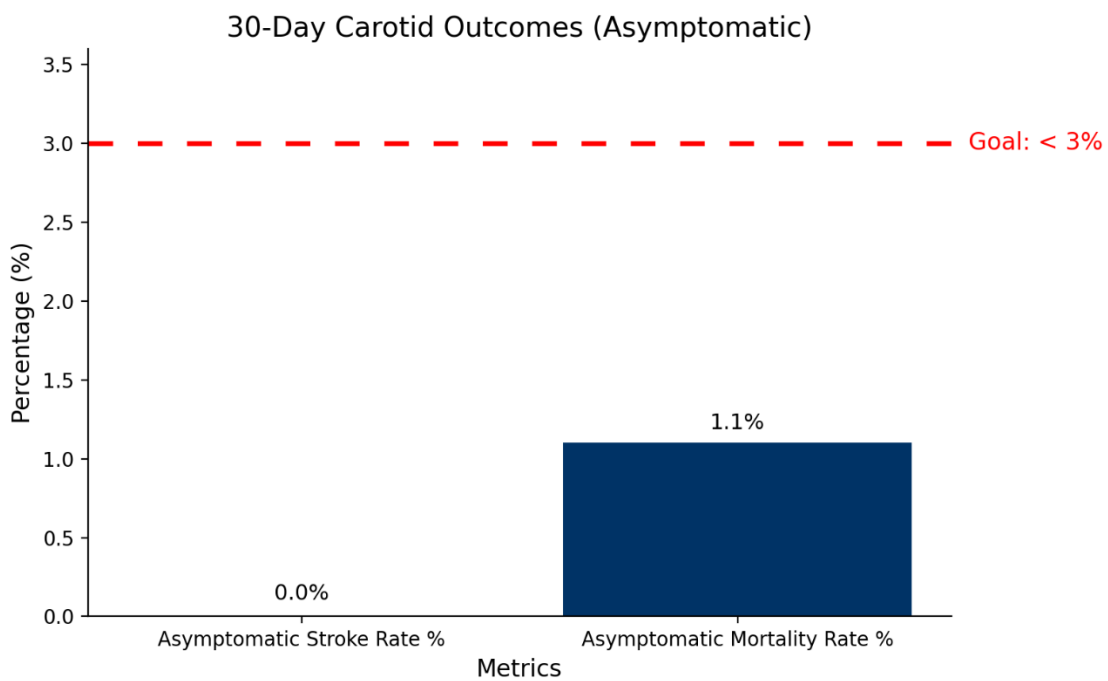
30-Day Symptomatic Carotid Outcomes (Goal: <6%)

Stroke Rate %	4.8%
Mortality Rate %	1.6%



30-Day Asymptomatic Carotid Outcomes (Goal: <3%)

Stroke Rate %	0.0%
Mortality Rate %	1.1%



Diagnostic Cerebral Angiogram

A diagnostic cerebral angiogram is a detailed imaging test that shows the blood vessels in your brain and neck. It helps doctors check for issues like narrowing, blockages, or aneurysms that could affect blood flow. Because this is an elective procedure, having highly trained specialists is important to keep risks low. At Advocate Aurora Health Care, our specialists consistently achieve excellent results with fewer complications than national averages.

24-Hour Angiogram Outcomes (Goal: <1%)

Stroke Rate %	0.0%
Mortality Rate %	0.0%

Acute Stroke Procedures and Outcomes

When doctors treat a stroke with a procedure called **thrombectomy**, they aim to restore blood flow to the brain. Success is measured using something called **TICI**, where **2B or 3 means good or complete blood flow is restored**. After a thrombectomy (a procedure to remove a clot and restore blood flow to the brain), one possible complication is **bleeding in the brain**, called a **hemorrhage**. Our specialists consistently achieve excellent results with fewer complications than national averages.

Acute Stroke Procedures

Optimal Opening of Vessel (Goal: >90%)	95.6%
Symptomatic Brain Bleed (Goal: <6%)	2.3%