ABOUT THE CAMPAIGN

Every 40 seconds, someone in the United States has a stroke.¹ The right treatment can mean the difference between life and death.

Help us help them #SurviveStroke. www.getaheadofstroke.org

GET AHEAD OF STROKE Arrive. Survive. Thrive.*

THE GOOD NEWS

Neuroendovascular care teams are specially trained to perform a type of minimally invasive neuroendovascular stroke surgery that removes blood clots from a blocked artery.

THE CHALLENGE

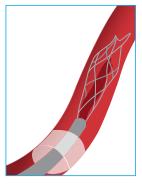
Most stroke care systems haven't caught up with improvements in treating stroke, and they are not as well coordinated as they need to be. In fact, less than 10 percent of ischemic stroke patients are treated through neuroendovascular stroke surgery.² Nearly 2 million brain cells *die each minute* a stroke goes untreated.³ Some people who experience a stroke die; others are permanently disabled. For the best possible outcome, a stroke patient needs to receive neuroendovascular stroke surgery **within 24 hours**.⁴

IT'S TIME FOR BIG CHANGE

Policies and regulations that guide stroke treatment vary widely by state. The Get Ahead of Stroke campaign's goal is to secure the best possible outcomes for stroke patients by driving policy change and public awareness nationwide. To do this, the campaign is working to:

- Build the public will to enact change in all 50 states requiring EMS to bring ischemic stroke patients with ELVO (emergent large vessel occlusion) to a Level 1 stroke center.
- Educate first responders about uniform stroke triage.
- Build capacity in hospitals to establish Level 1 stroke centers equipped with the proper technology, devices, and qualified medical personnel, as well as an understanding of the optimal treatment protocol.

Doing these three things will improve stroke systems of care, ultimately making it possible for thousands more people to survive stroke every year.



Quick removal of a clot helps stroke patients get back on their feet and back to their lives. However, **not all severe stroke patients go directly to a Level 1 center** due to outdated protocols that don't reflect the latest advancements in stroke care.



Stroke is a leading cause of death and long-term disability in the United States.⁵ Stroke kills about 150,000 people in the United States each year.⁶

Continued on page 2



More than 795,000 people in the United States have a stroke every year.⁷

NEUROENDOVASCULAR STROKE SURGERY

The vast majority of strokes — 87 percent — are ischemic

strokes, caused by a blood clot in the brain.⁹ Rapid access

to neuroendovascular stroke surgery is the best path to

recovery for patients who have suffered a severe stroke

caused by an emergent large vessel occlusion (ELVO). Known

as the deadliest type of stroke, an ELVO stroke occurs when a

clot in a major artery denies blood to the brain. ELVO patients

who receive neuroendovascular stroke surgery increase their

"The brain dies faster than any

other organ. We already transport heart

attack and trauma patients immediately to

the proper kind of care. Isn't it time

we do this for stroke patients?"

- Mahesh Jayaraman, MD, Providence, RI

NEUROENDOVASCULAR STROKE SURGERY

The more than 795,000 strokes per year experienced by

stroke surgery makes the most financial sense.¹²

people in the U.S. cost about \$46 billion, including health services and missed days of work.¹¹ Neuroendovascular

Over their lifetime, stroke patients can save up to \$23,000

average, patient stays in facilities will shorten by 4 days.13

when they receive this kind of surgery. What's more, on

life expectancy by 5 years more than patients who do not

SAVES AND RESTORES LIVES

receive this specialized treatment.10

Recent studies report a significant increase in rates of ischemic stroke in people between the ages of 15 and 30 between 1994 and 2012.⁸

REFERENCES

¹ Centers for Disease Control and Prevention. (2021). Stroke Facts. Retrieved from <u>http://www.cdc.gov/stroke/facts.htm</u>

² Meyers, P. M., Schumacher, C. H., Connolly Jr., E. S., Heyer, E. J., Gray, W. A., & Higashida, R. T. (2011). Current status of endovascular stroke treatment. *Circulation*, *123*, 2591–2601. doi: 10.1161/CIRCULATIONAHA.110.971564.

³ National Stroke Association. (n.d.). Stroke 101: Fast Facts on Stroke. Retrieved from http://www.stroke.org/sites/default/files/resources/NSA_%20FactSheet_Stroke_101_2014.pdf

⁴ American Heart Association/American Stroke Association. (2018). More Stroke Patients May Receive Crucial Treatments Under New Guideline. Retrieved from <u>https://newsroom.heart.org/news/more-stroke-patients-may-receive-crucial-treatments-under-new-guideline</u>

⁵ American Stroke Association. (n.d.). About Stroke. Retrieved from <u>http://www.</u> strokeassociation.org/STROKEORG/AboutStroke/About-Stroke_UCM_308529_ SubHomePage.jsp

⁶ Centers for Disease Control and Prevention. (2021). Stroke Facts. Retrieved from <u>http://www.cdc.gov/stroke/facts.htm</u>

7 Ibid.

⁸ Tibæk, M., Dehlendorff, C., Jørgensen, H. S., Forchhammer, H. B., Johnsen, S. P., & Kammersgaard, L. P. (May 11, 2016). Increasing incidence of hospitalization for stroke and transient ischemic attack in young adults: A registry-based study. *Journal of the American Heart Association*. Retrieved from http://jaha.ahajournals.org/content/5/5/e003158.full.pdf+html?sid=06d8f744-2acf-4053-ab44-dbe8b62bc20f

⁹ American Stroke Association. (2017). Ischemic Strokes (Clots). Retrieved from <u>http://</u> www.strokeassociation.org/STROKEORG/AboutStroke/TypesofStroke/IschemicClots/ Ischemic-Strokes-Clots_UCM_310939_Article.jsp#.VzXybsci6yl

¹⁰ Moussavi, M., et al. (Feb. 16–19, 2016). Poster WMP12. Presented at International Stroke Conference, Los Angeles.

¹¹ Centers for Disease Control and Prevention. (2021). Stroke Facts. Retrieved from <u>http://www.cdc.gov/stroke/facts.htm</u>

¹² Turk, A. S., et al. (2015). Comparison of endovascular treatment approaches for acute ischemic stroke: Cost effectiveness, technical success, and clinical outcomes. *Journal of NeuroInterventional Surgery*, 7, 666–670.

¹³ Barber, P. A., et al. (2015). Endovascular clot retrieval for acute ischaemic stroke: The Auckland City Hospital experience. *New Zealand Journal of Medicine*, *128*(1423).

JOIN US IN BUILDING A SYSTEM OF CARE THAT ALLOWS EVERYONE ACCESS TO THE BEST TREATMENT FOR STROKE. PLEDGE YOUR SUPPORT AT WWW.GETAHEADOFSTROKE.ORG.

ABOUT THE CAMPAIGN

SAVES MONEY

Get Ahead of Stroke is a national public education and advocacy campaign designed to improve systems of care for stroke patients. Founded in 2016 by the Society of NeuroInterventional Surgery (SNIS), today the campaign is supported by a coalition of organizations with the goal of securing the best possible outcomes for stroke patients by driving policy change and public awareness nationwide.

