Measure What Matters

Quantify the impact of intelligent care coordination

Viz.ai

PRM-0339 Rev 01
Measure What Matters eBook

The current state of stroke

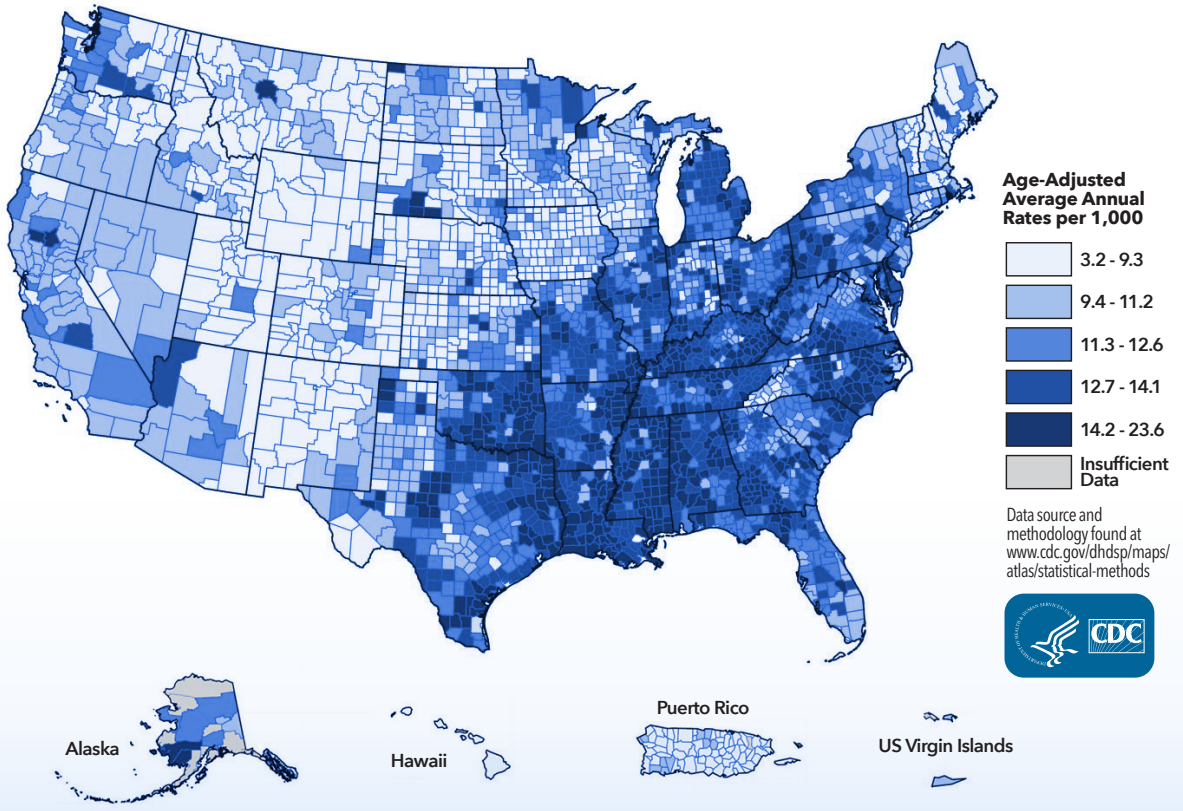
Viz.ai

~800,000 people in America will experience a stroke in this year alone.[1]

Stroke is a leading cause of death, disability, and cost in the US.[2] Over the last two decades, there has been a revolutionary leap in the detection and treatment of stroke patients using IV tPA and mechanical thrombectomy.[3] Despite these advancements, fewer than 10% of eligible patients receive life-saving treatment.

Time is Brain

Stroke Hospitalization Rates, 2016-2018

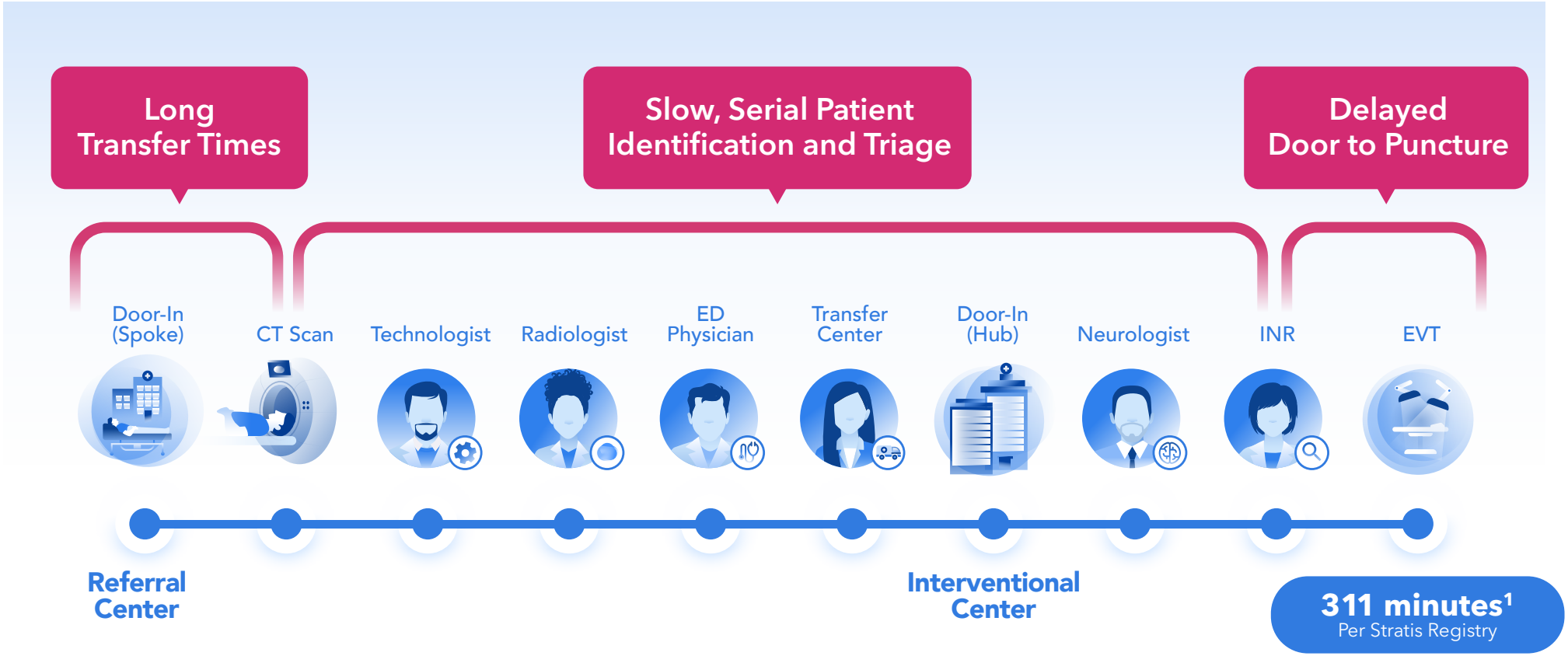


All Medicare Beneficiaries, Ages 65+, by County

[1] Kleindorfer, Dawn O., Amytis Towfighi, Seemant Chaturvedi, Kevin M. Cockroft, Jose Gutierrez, Debbie Lombardi-Hill, Hooman Kamel, et al. 2021. "2021 Guideline for the Prevention of Stroke in Patients with Stroke and Transient Ischemic Attack: A Guideline from the American Heart Association/American Stroke Association." Stroke; a Journal of Cerebral Circulation. https://doi.org/10.1161/str.0000000000000375.
[2] Kochanek KD, Xu JQ, Murphy SL, Arias E. Mortality in the United States, 2013. NCHS Data Brief, No. 178. Hyattsville, MD: National Center for Health Statistics, Centers for Disease Control and Prevention, Department of Health and Human Services; 2014.
[3] Powers WJ, Derdeyn CP, Biller J, et al. 2015 American Heart Association/American Stroke Association Focused Update of the 2013 Guidelines for the Early Management of Patients With Acute Ischemic Stroke Regarding Endovascular Treatment: A Guideline for Healthcare Professionals From the American Heart Association/ American Stroke Association. Stroke. 2015;46(10):3020-3035.

Patients don't get to the O.R. fast enough

Viz.ai



[1] Froehler MT, Saver JL, Zaidat OO, et al. Interhospital Transfer Before Thrombectomy Is Associated With Delayed Treatment and Worse Outcome in the STRATIS Registry (Systematic Evaluation of Patients Treated With Neurothrombectomy Devices for Acute Ischemic Stroke). Circulation. 2017;136(24):2311-2321. doi:10.1161/CIRCULATIONAHA.117.028920

Viz.ai was built to accelerate access to life-saving care

Viz.ai

Inspired by patients. Built by doctors.

Viz.ai's mission is to fundamentally improve how healthcare is delivered in the world, through intelligent software that promises to reduce time to treatment, improve access to care and increase the speed of diffusion of medical innovation.

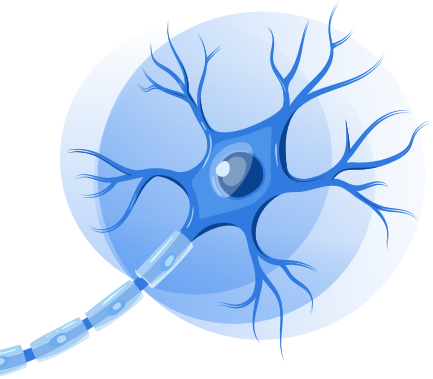
Viz LVO alerted physicians of a suspected stroke 52 minutes faster than the standard of care

The Economist showcases the impact of Viz.ai

2 trillion neurons saved and counting

Viz.ai

Using AI-powered disease detection, Viz LVO accelerates the path to treatment decision.



Viz LVO alerts care teams of a suspected LVO **52 minutes faster*** than the standard of care. This enables care teams to spring into action sooner compared to conventional stroke treatment pathways and gives patients a better chance of a positive outcome.

* Viz LVO De Novo Clearance Letter: DEN 170073

Break through the friction with Viz.ai

Viz.ai

Spoke Transfer

Patient Arrives at Spoke Hospital

Patient Receives CTA

Viz Alert Goes Out

Patient Leaves the Spoke Hospital

Patient Arrives at HubHospital

Patient Has Lifesaving Intervention

102 minutes saved in door-in door-out[1]

86 minutes saved in door-to-groin[2]

More than 90% of Viz.ai alerts are viewed by the intended specialist within 5 minutes, accelerating the care team's treatment decision pathway and improving patient outcomes.

[1] Hassan, A. E., Ringheanu, V. M., Preston, L., & Tekle, W. (2021). Abstract P266: The implementation of artificial intelligence significantly reduces door-in door-out times in primary care center prior to transfer. Stroke; a Journal of Cerebral Circulation, 52(Suppl_1). doi:10.1161/str.52.suppl_1.p266

[2] Hassan, Ameer E., Victor M. Ringheanu, Laurie Preston, and Wondwossen Tekle. 2021a. "Abstract P248: CSC Implementation of Artificial Intelligence Software Significantly Improves Door-in to Groin Puncture Time Interval and Recanalization Rates." Stroke; a Journal of Cerebral Circulation 52 (Suppl_1). https://doi.org/10.1161/str.52.suppl_1.p248.

Give patients a better chance to lead a disability-free life

Viz.ai

A 58 year-old female patient arrived in a spoke hospital after being found by spouse, aphasic and unable to get up.
Viz accelerated her path to life saving care.

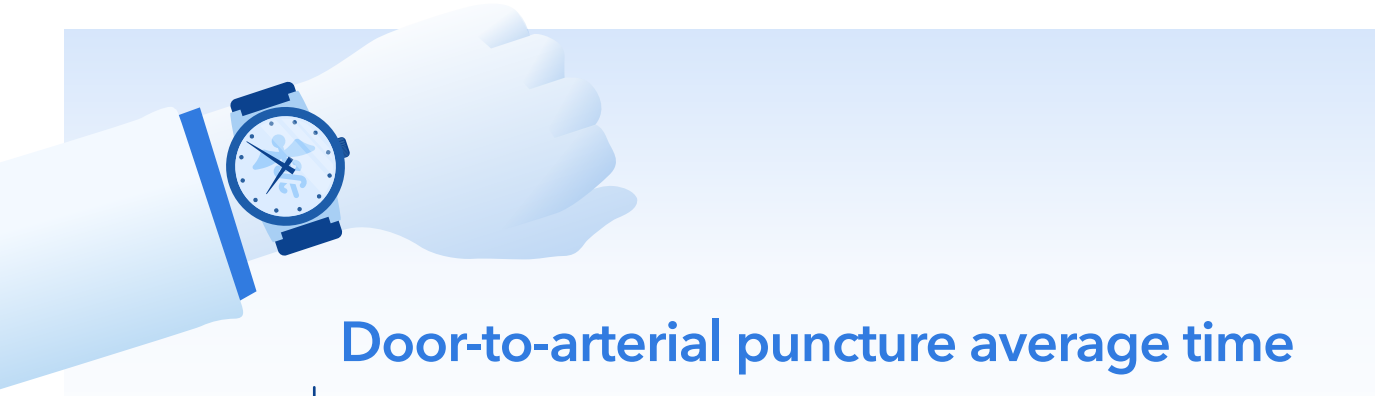
15:46	15:49	15:54	16:29	17:00	17:20
CTA Completed	**Viz LVO Notification**	**Transfer Decision**	**Door Out**	**Hub Arrival**	**Reperfusion**

5 mins between Viz Notification to transfer decision

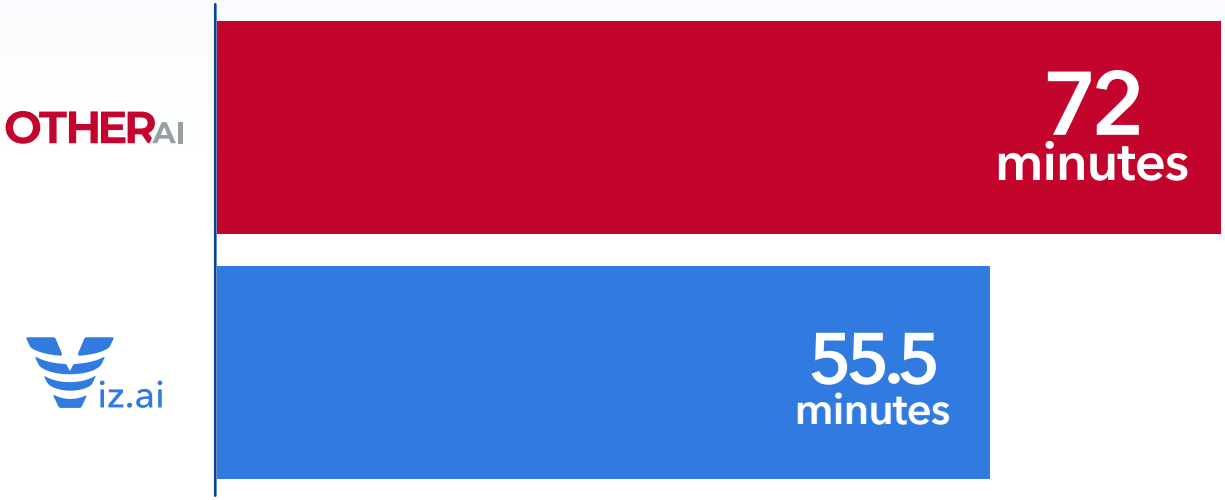
20 mins from arrival to reperfusion

Real-world improvements with Viz.ai

After switching to intelligent care coordination from a conventional software imaging service, Dr. Turk saw his **treatment times fall by almost 23%**.



Door-to-arterial puncture average time



Data collected for 6 months prior to installation and 6 months after Viz.ai installation

From the moment the patient hit the door to the arterial puncture, our times were in the 70 - 75 minute range. **When we switched to Viz, we went down to almost 50 minutes.** During all of this, our volume was up and virtually doubled during this time frame.

Aquilla Scott Turk III M.D.
Neuro Interventional Radiologist
at Prisma Health
Greenville, South Carolina

Early intervention improves patient outcomes

Viz.ai

Reduce length of stay

3.5
Day reduction in neuro-ICU LOS[1]

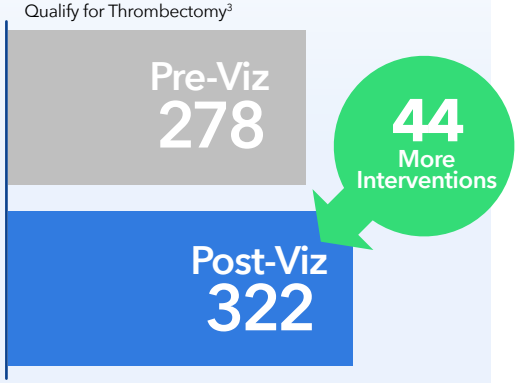
2.5
Day reduction in hospital LOS[1]

Improve patient lives

Mean 5-Day NIHSS and Discharge mRS; median 90-Day mRS (p<0.05)[2]	Without Viz	With Viz	%Change
5-Day NIHSS	22	11	-51%
Discharge mRS	4.6	2.9	-37%
90-Day mRS	5.0	3.0	-40%

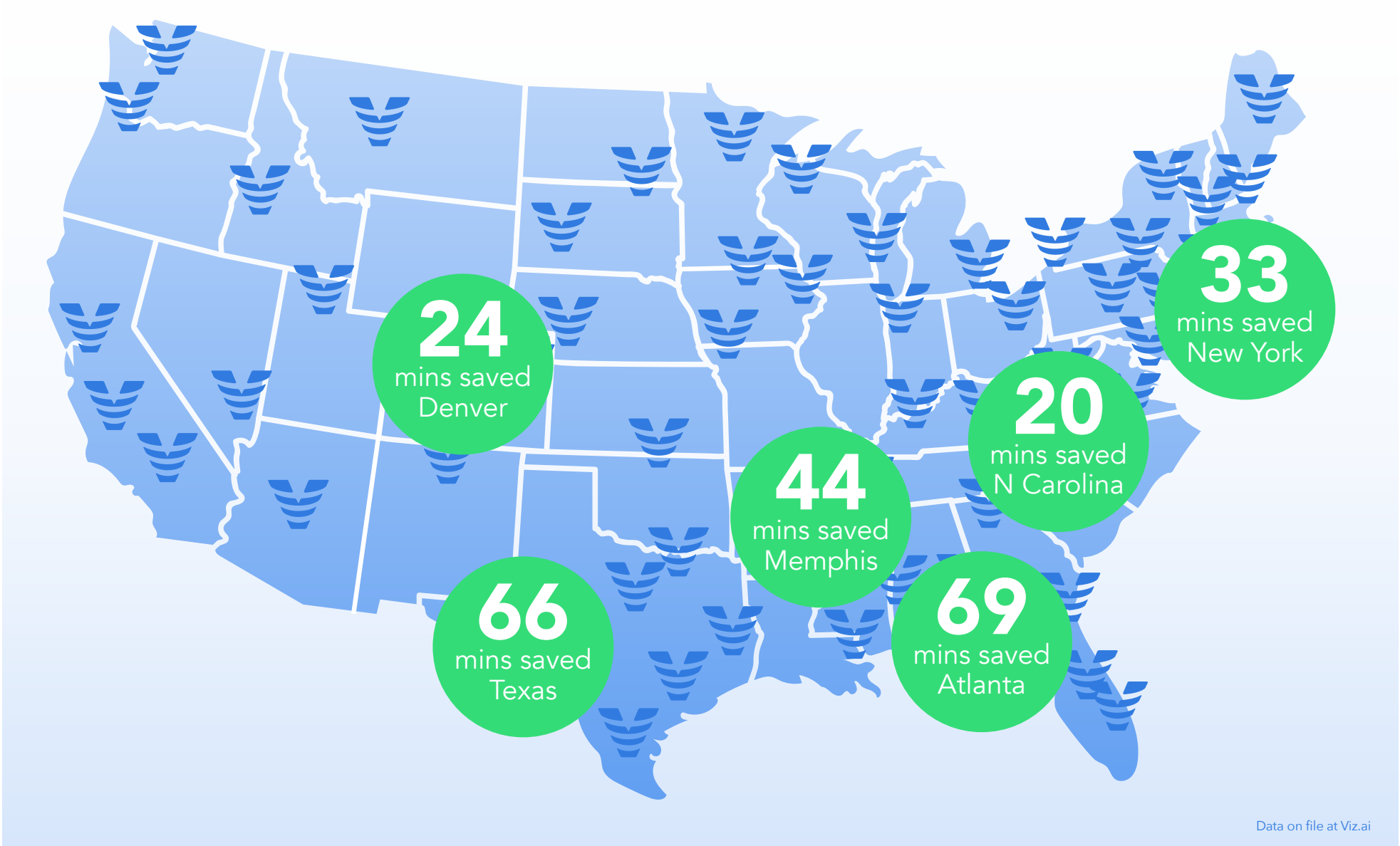
Increase access to care

16% Increase in Patients the Qualify for Thrombectomy[3]



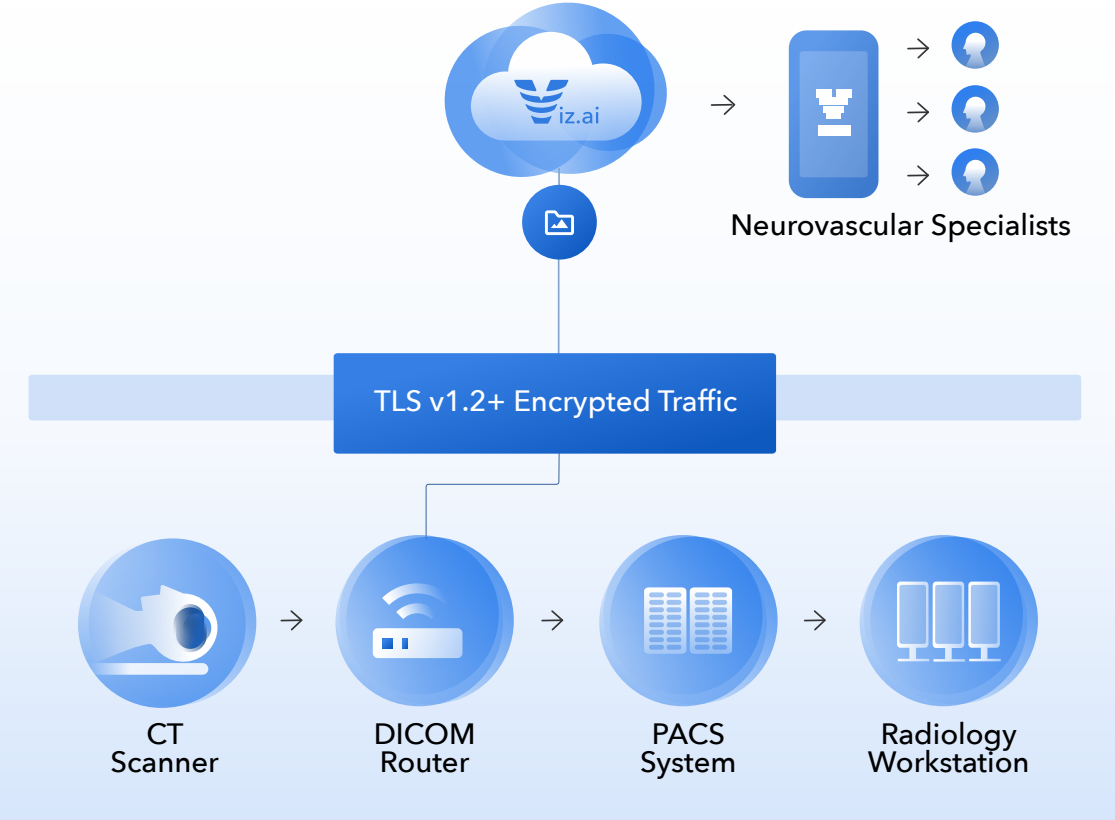
1 Hassan, Ameer E., Victor M. Ringheanu, Rani R. Rabah, Laurie Preston, Wondwossen G. Tekle, and Adnan I. Qureshi. 2020. "Early Experience Utilizing Artificial Intelligence Shows Significant Reduction in Transfer Times and Length of Stay in a Hub and Spoke Model." Interventional Neuroradiology: Journal of Peritherapeutic Neuroradiology, Surgical Procedures and Related Neurosciences 26 (5): 615-22.
2 Morey, Jacob R., Emily Fiano, Kurt A. Yaeger, Xiangnan Zhang, and Johanna T. Fifi. 2020. "Impact of Viz LVO on Time-to-Treatment and Clinical Outcomes in Large Vessel Occlusion Stroke Patients Presenting to Primary Stroke Centers." BioRxiv. https://doi.org/10.1101/2020.07.02.20143834
3 Frei D, et al. How Viz Has Improved My Practice. Stroke Webinar 2020.

50M lives are covered by Viz.ai

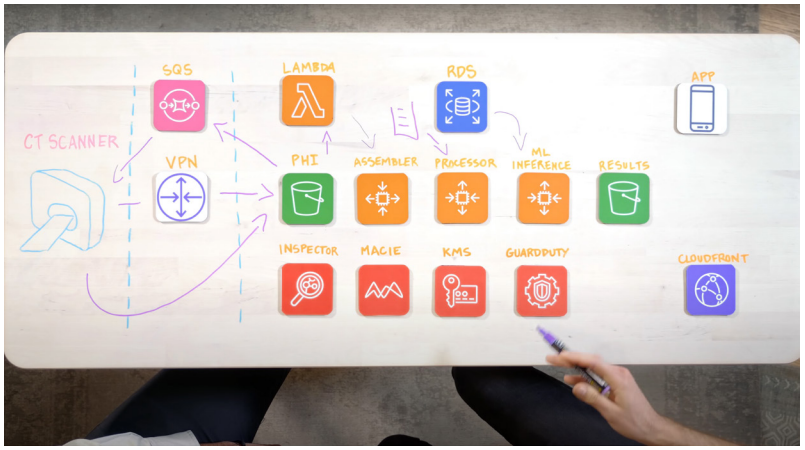


One scan passes through our secure cloud every minute

Viz.ai



Online feature by AWS



Watch Amazon Web Services explore our unique infrastructure

SOC 2* Type II Certified

CSA Certified

ISO Certified

NIST Compliant

AWS Well-Architected

HIPAA Compliant

Measure What Matters

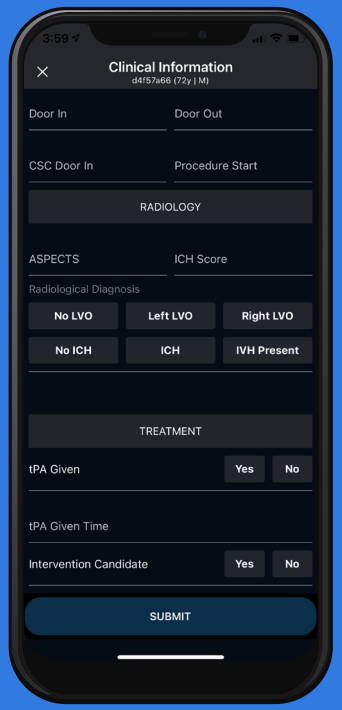
Viz.ai

Patients who receive timely care have better outcomes.
Choose Viz.ai to accelerate access to life-saving treatment.

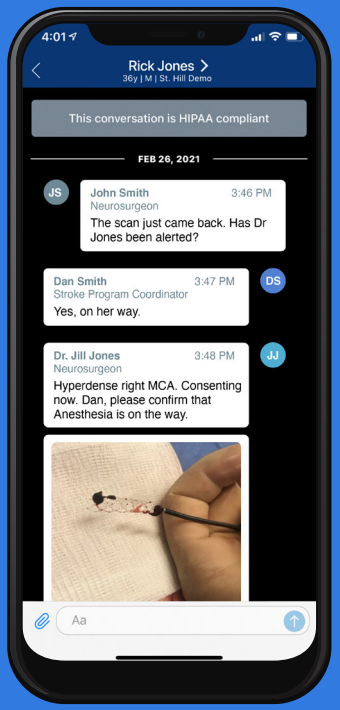
Schedule a Demo

AI Powered Alerts
for LVO and ICH

Advanced Mobile
Image Viewing



Real Time
Patient Information



Full Stack,
Secure
Communication

PRM-0339 Rev 01
Measure What Matters eBook

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