Viz
Stroke
Platform
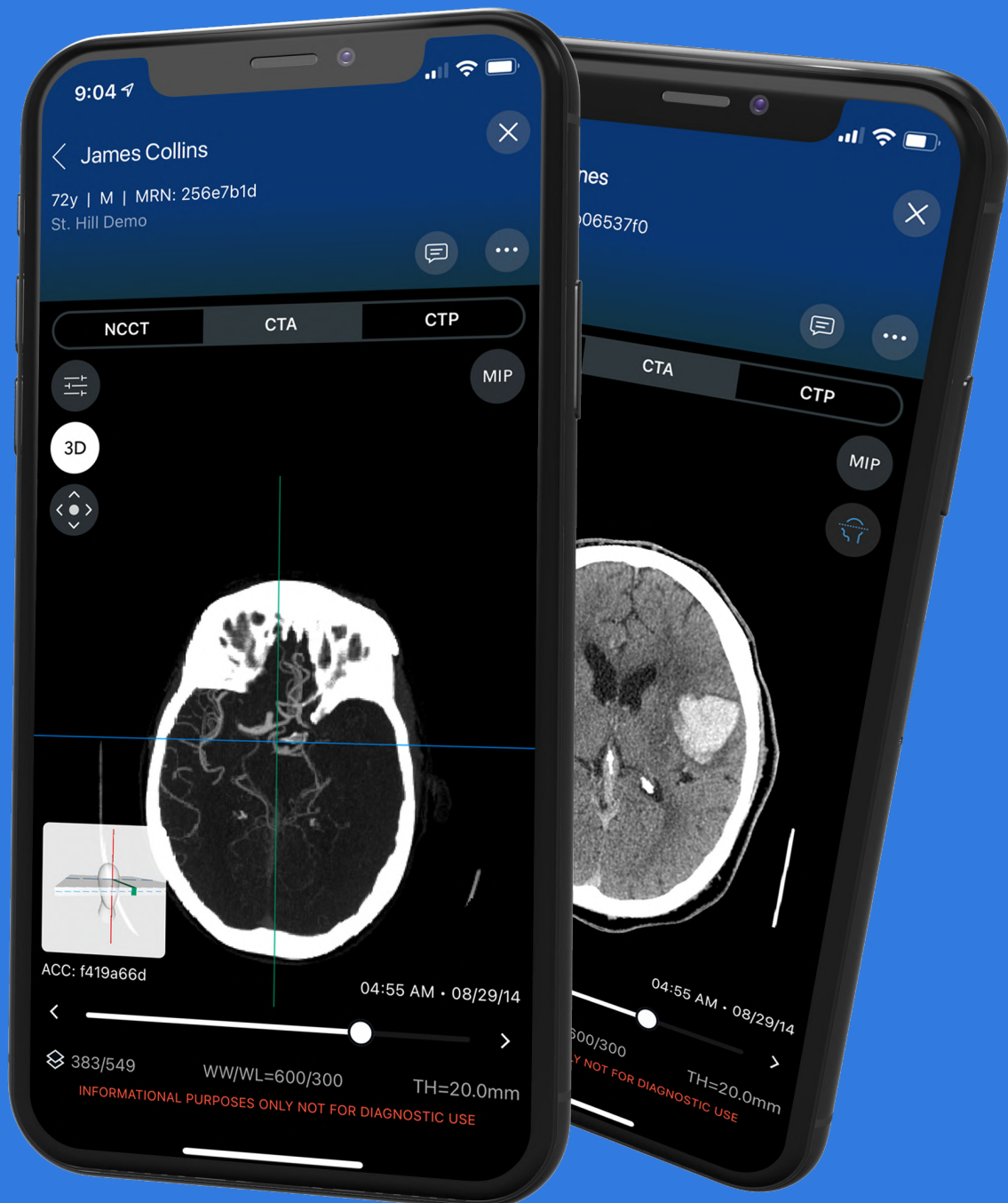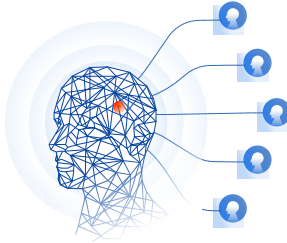
Viz.ai

Intelligent Care Coordination Delivered

Healthcare Data

Viz ingests data from imaging modality (XR, CT, MR), PACS, EHR, OR, ICU, and wearables

A.I. Analysis

Viz cloud based A.I. algorithms automatically detect, measure, and predict disease
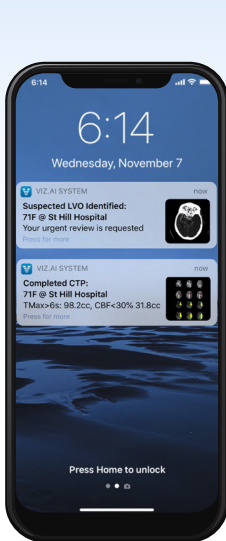
Trigger Action

Viz connects patients, doctors, and clinical research teams across a single platform

Enable Therapy

Results in improved patient outcomes, easier referrals, and efficient clinical research enrollment

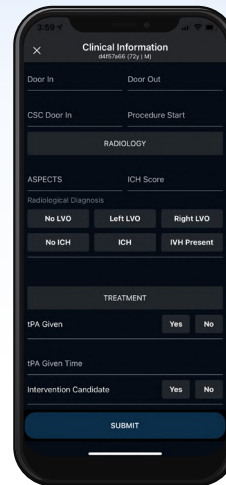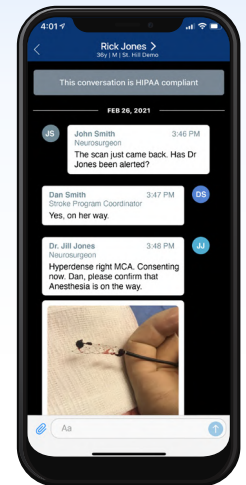## The Pillars of Intelligent Care Coordination

A.I. Powered Alerts for LVO and ICH

Advanced Mobile Image Viewing

Real Time Patient Information

HIPAA-Compliant Communication

Available in over **600** hospitals across the US

Coordinating care from the ambulance to the follow-up visit

A.I. Powered Alerts
**Accelerated Team Activation when Every Minute Counts**

Viz LVO reduced the time from Primary Stroke Center imaging to Comprehensive Stroke Center arrival by **66 minutes,** resulting in a **39% reduced transfer time.**[1]

Advanced Mobile Image Viewing
Intelligent, High Fidelity Images on Your Phone

- NCCT, CTA, CTP, and MR Image Viewing
- Dynamic Scrolling, Windowing, and Orientation
- 3D vessel mapping and automated color maps
- Real-Time image completion alerts
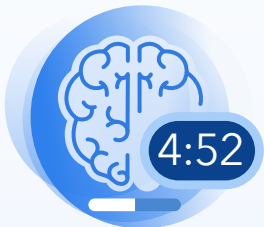
Real Time Patient Information
Integrated with the EHR

- Real-time NIHSS and ASPECTS Scoring
- Door-in times and ordering physicians
- Patient updates from EMS

The first **HIPAA-compliant communication platform** designed to synchronize stroke care in a hub and spoke network.

- HIPAA-Compliant Text Messaging
- Real-Time Patient Workflow Visualization
- Integrated phone calls with a full directory

1 Hassan AE, Ringheanu VM, Rabah RR, Preston L, Tekle WG, Qureshi AI. Early experience utilizing artificial intelligence shows significant reduction in transfer times and length of stay in a hub and spoke model. Interv Neuroradiol. 2020;26(5):615-622.

Connect patients across specialties

Viz LINK

Viz connects neurology and cardiology/EP to facilitate cryptogenic follow up. A referral for continuous monitoring for atrial fibrillation can be made directly within the app.

Refer patient to Cardiology / Electrophysiology Team with one click

Learn more about Viz LINK

Robert White
72y | M | MRN: LVO_01

| Activate Team | Spine | PERT | Cryptogenic Stroke |

Add Clinical Information

Call...

Share...

View Patient Log

Add to Saved Cases
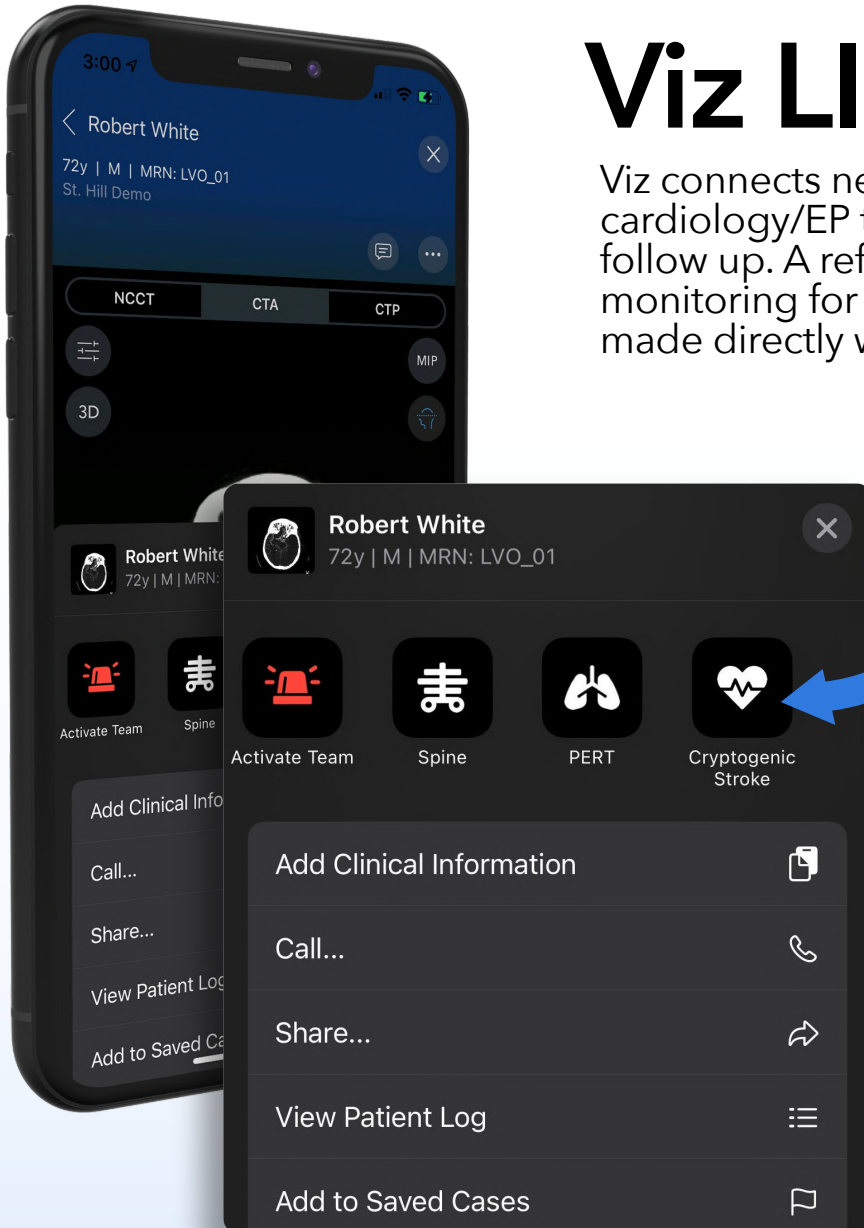
Coordinating care from the ambulance to the follow-up visit

The most studied stroke workflow software available

Viz LVO

The largest real-world multicenter data validates the power of the Viz Stroke Platform

| Sensitivity | 96% | | 2,544 | Consecutive Patients across |
| Specificity | 94% | | 139 | US Hospitals |

Shalitin et al. AI-powered stroke triage system performance in the wild. Journal of Experimental Stroke & Translational Medicine. 2020;12(3):03

Viz ICH

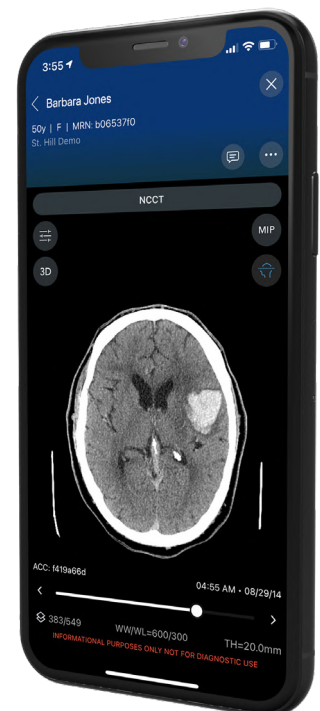The most sensitive and specific intracranial hemorrhage software on the market

| Sensitivity | 95% | | Time to Notification (minutes) |
| Specificity | 96% | | 0.49 +- 0.08 min |

Viz ICH 510(k) Approval Letter. Reference Number K210209.
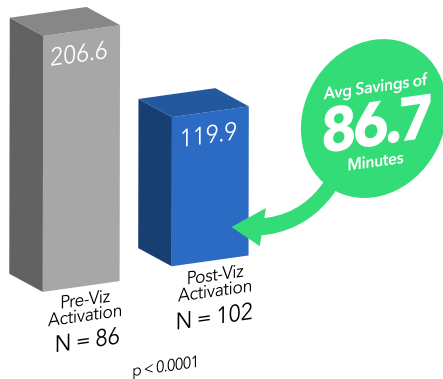
Viz is a clinically-validated solution

Primary Stroke Centers have seen a significant reduction of door-in door-out time shortly post-installation

Door-In Door-Out Time (Minutes)[2]

226.7

124.4

102.3 Minute Improvement

Pre-Viz

Post-Viz

p=0.0374
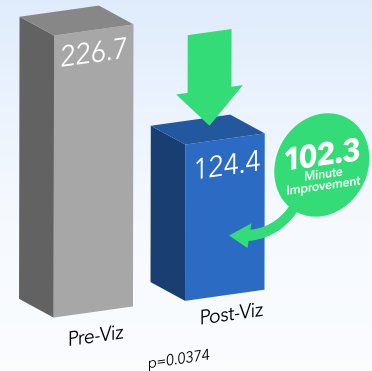
Comprehensive Stroke Centers have demonstrated significant improvements in door-in to groin times as well as rates of reperfusion with Viz

Mean Door-in to Groin Puncture Time (Minutes)[3]

206.6

119.9

Avg Savings of **86.7** Minutes

Pre-Viz Activation N = 86

Post-Viz Activation N = 102

p < 0.0001

Rates of Successful Revascularization (mTICI 2B-3)[3]

94.10%

84.90%

9.2% Improvement

Pre-Viz Activation

Post-Viz Activation

p=0.0364
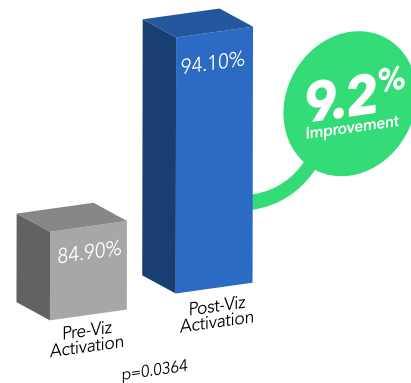
Viz improves the speed of care by enabling parallel workflows across care teams and locations

[2] Hassan et al. The Implementation of Artificial Intelligence Significantly Reduces Door-in Door-out Times in Primary Care Center Prior to Transfer. Presentation. ISC 2021.

[3] Hassan et al. Implementation of Artificial Intelligence Stroke Software Significantly Improves Door-In to Groin Puncture Time Interval and Revascularization Rates. Presentation. ISC 2021.

Viz increases access to life-saving therapies

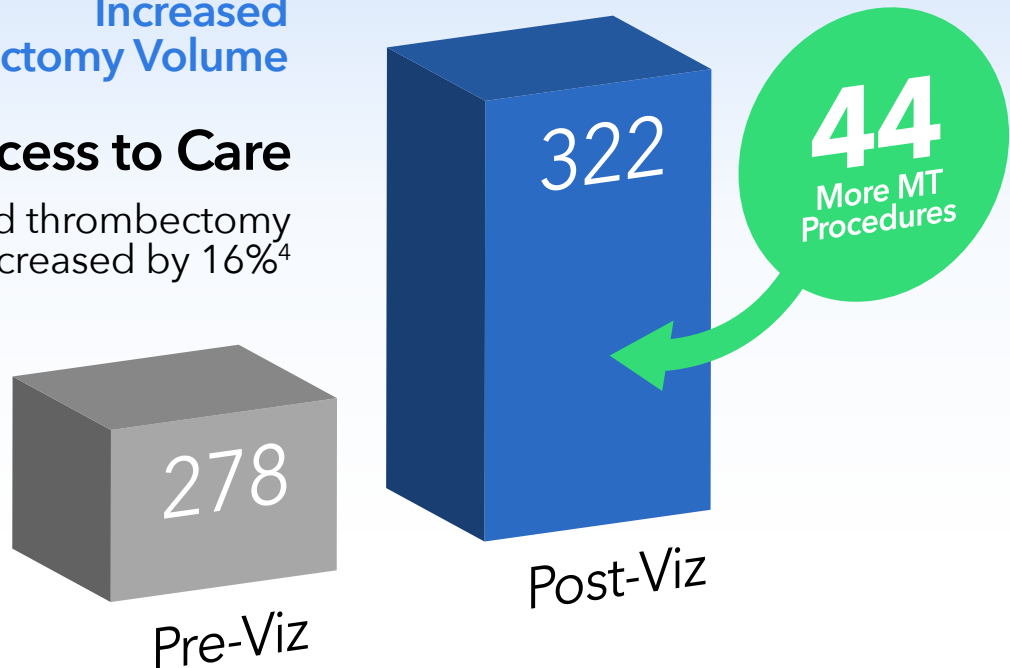Connecting care teams earlier in the workflow enables faster treatment decisions that improve patient outcomes.

Viz.ai

Increased Thrombectomy Volume

Increased Access to Care

Annualized thrombectomy volume increased by 16%[4]

322

Post-Viz

278

Pre-Viz

44 More MT Procedures

Measured Improvement in Patient Outcomes[5]

	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%

[4] Frei D, et al. How Viz Has Impacted My Practice. Webinar Presentation. August, 2020

[5] Morey, J. R., Fiano, E., Yaeger, K. A., Zhang, X., & Fifi, J. T. (2020). Impact of Viz LVO on time-to-treatment and clinical outcomes in large vessel occlusion stroke patients presenting to Primary Stroke Centers (p. 2020.07.02.20143834). doi:10.1101/2020.07.02.20143834. Pre-print.

Landmark decision:

CMS encourages the adoption of Viz.ai's clinically effective technology through NTAP

Medicare provides a New Technology Add-on Payment (NTAP) for Viz LVO of **up to $1,040 per qualifying case.**

Download our NTAP packet to get started.

NTAP Packet

Case Study: Single Center Hospital

In a single center hospital with 500 suspected ischemic strokes per year, an estimated 131 cases will qualify for NTAP, receiving up to $1,040 per patient. Hence, resulting in a total projected impact of up to $136,240
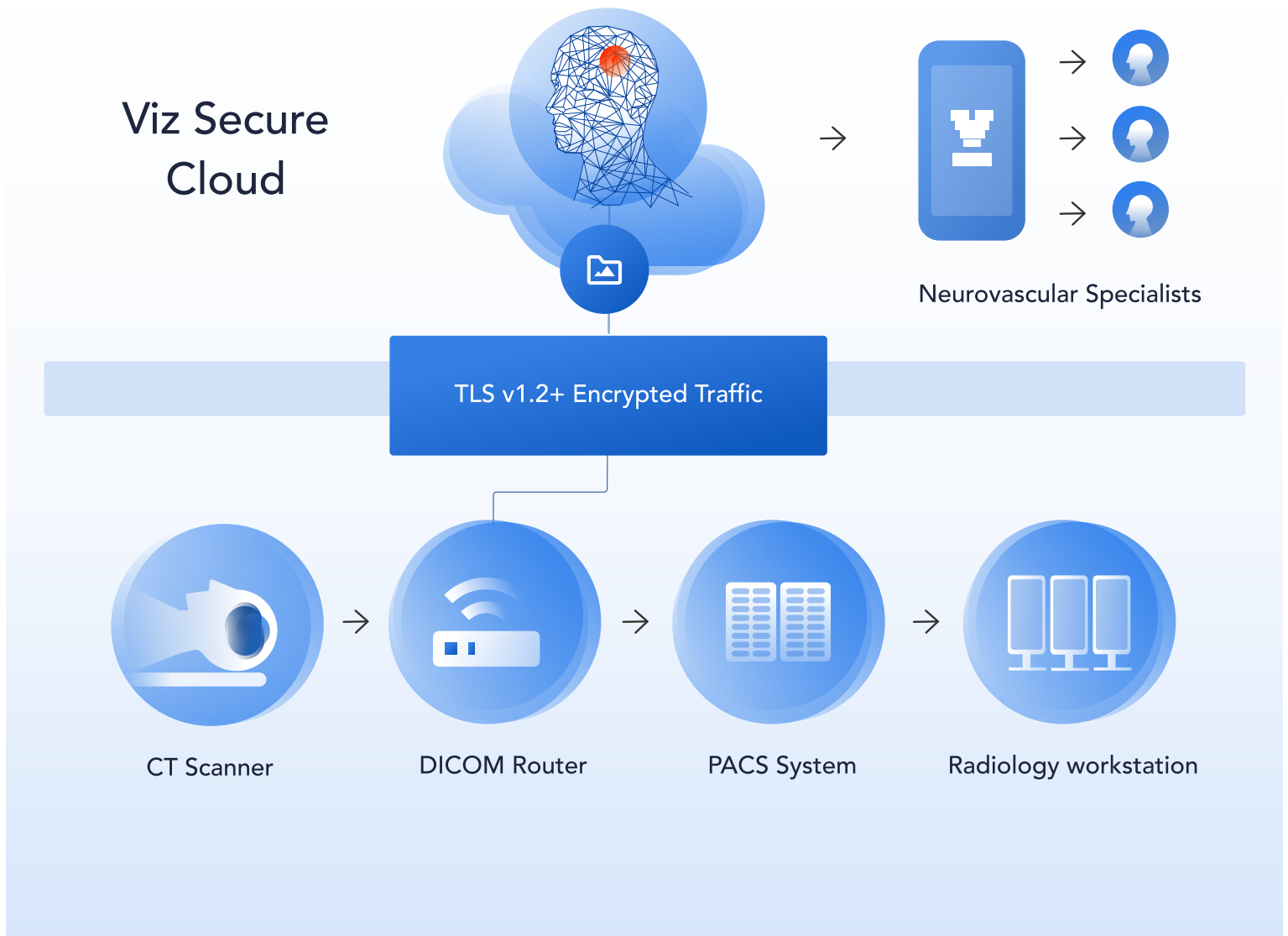
Case Study: Multi-Center System

In a multi-center system with 1,500 suspected ischemic strokes per year, an estimated 394 cases will qualify for NTAP, receiving up to $1,040 per patient. Hence, resulting in a total projected impact of up to $409,760.

	Single Center Hospital	Multi-Center System
Total Annual Suspected Strokes	500	1,500
% Analyzed with Viz	75%	75%
% Medicare	70%	70%
% with Negative Margin	50%	50%
Patients Qualifying for NTAP	131	394
Maximum NTAP Payment Per Encounter	$1,040	$1,040
Viz Maximum NTAP Impact	**$136,240**	**$409,760**

Protecting patient data matters most

Keeping your data secure is our most important focus. We've built our technology and services on reliable and secure architecture. Your data lives behind a secure firewall and is encrypted at every point in transit.

Viz Secure Cloud

Neurovascular Specialists

TLS v1.2+ Encrypted Traffic

CT Scanner   DICOM Router   PACS System   Radiology workstation

HIPAA Compliant   AWS Well-Architected   CSA Certified   ISO Certified   NIST Compliant   SOC 2® Type II Certified

Viz.ai

This conversation is HIPAA compliant

FEB 26, 2021

John Smith 3:46 PM
Neurosurgeon
The scan just came back. Has Dr Jones been alerted?

Dan Smith 3:47 PM
Stroke Program Coordinator
Yes, on her way.

Dr. Jill Jones 3:48 PM
Neurosurgeon
Hyperdense right MCA. Consenting now. Dan, please confirm that Anesthesia is on the way.

Download the Viz Training demo app or email hello@viz.ai

Download on the App Store

GET IT ON Google Play