



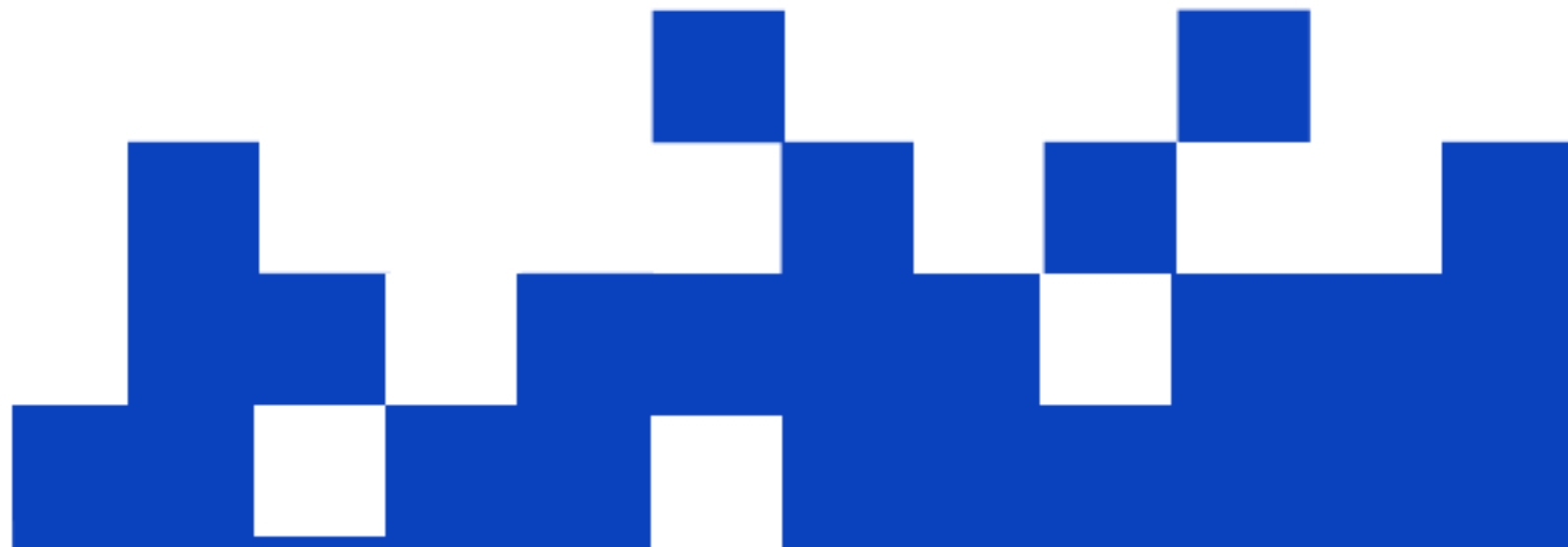
Viz.ai

5 Steps to Choosing the Right AI-Powered Care Coordination Solution

Overview

AI-powered care coordination with Viz.ai offers several potential benefits that have been validated by clinical experience. Among the most significant are reductions in time to treatment decision, cost minimization and better treatment outcomes.

The purpose of this guide is to help you evaluate potential AI-powered care coordination solutions and to make an informed decision about which is right for your care teams.



Is the AI Accurate? Understanding Sensitivity and Specificity

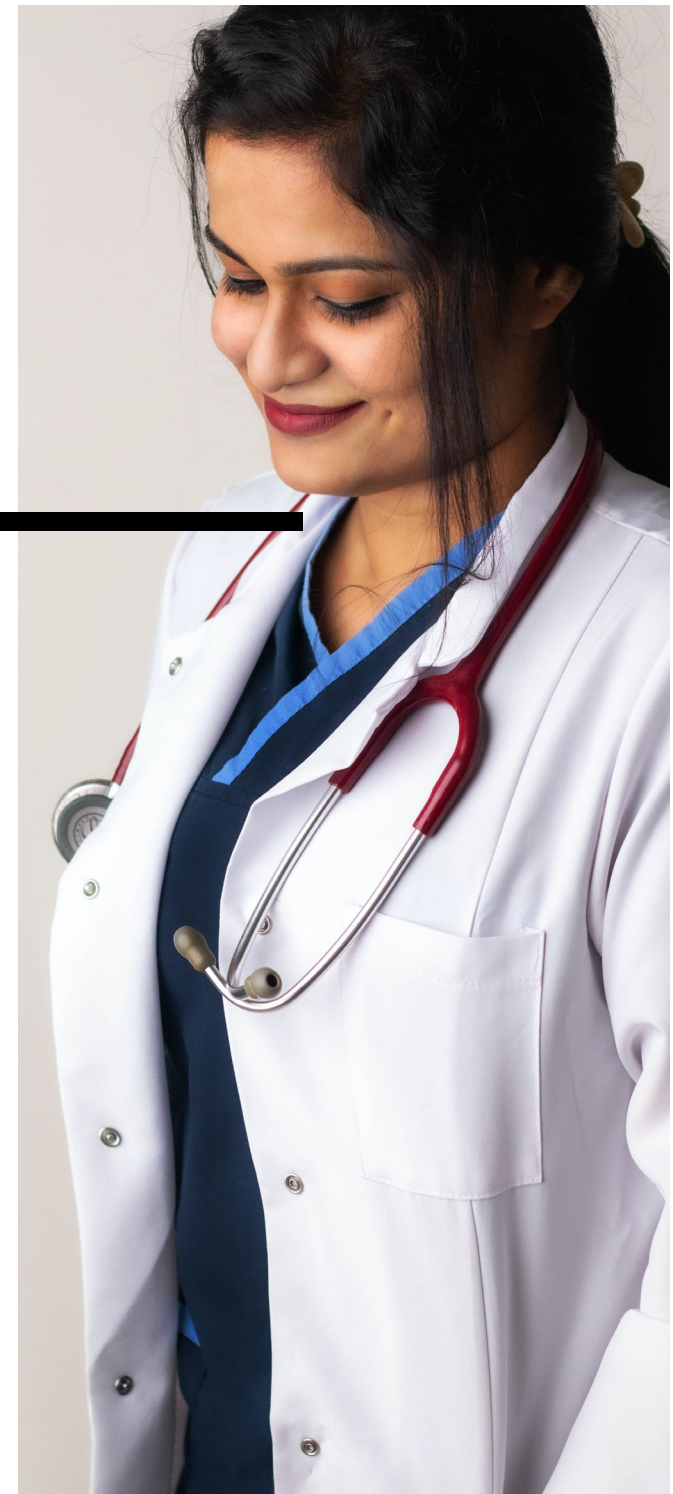
Sensitivity and specificity are the two primary measures used to evaluate an AI algorithm. Sensitivity refers to the algorithm's ability to rule out a particular disease, while specificity refers to its ability to **rule in** a specific disease. An algorithm must perform well on both measures to be considered accurate.

■ **Sensitivity:** The ability to rule out a particular disease

■ **Specificity:** The ability to rule in a particular disease

Since no AI algorithm is perfect, it is important to consider what errors in sensitivity and specificity mean.

- **Low sensitivity** means more **false positives** (algorithm detects a disease where none exists)
- **Low specificity** means more **false negatives** (algorithm fails to detect a disease where it *does* exist)





Too many false positives can be costly because they require a physician to review the imaging and manually rule out the disease. In some cases they could even lead to false care team activation.

False negatives are worse because they can lead to delays in care, or in some cases potentially a missed diagnosis.

The Viz.ai algorithm exhibits a higher rate of both sensitivity and specificity versus its competitors. In fact, Viz is the only solution that offers this algorithmic alert system for both PE and Aortic modules.

Viz.ai FDA reported performance for AI powered alerts for suspected PE*

- - **Sensitivity: 91%**
- - **Specificity: 92%**

Viz.ai FDA reported performance for AI powered alerts for suspected Aortic Dissection*

- - **Sensitivity: 96%**
- - **Specificity: 98%**

* FDA Letter K210237

Real-World Performance: Evaluating Clinical Outcomes



Choosing a vendor with real world clinical performance data is important to validate the accuracy and clinical impact of the solution.

Here are three primary questions to ask in terms of the current data:

1. How accurate has the solution been at detecting disease in clinical settings?
2. What measurable improvements has the solution facilitated over existing standards of care (SOCs)?
3. Do these improvements make a meaningful difference in health outcomes and/or program financial health?

Clinical data shows that departments using Viz.ai achieve meaningful improvements in care over several key dimensions. These include significant reductions in time to care and improvements in treatment outcomes.

A clinically validated platform

Accelerate Time to Treatment Decision¹



¹ Eljovich L, Dornbos III D, Nickle C, et al. J NeuroIntervent Surg Epub ahead of print. doi:10.1136/ neurintsurg-2021-017714

Better Clinical Outcomes

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%

² Morey A, Fifi J, et al. <https://doi.org/10.1101/2020.07.02.20143834>, 2020.

Reduce Length of Stay

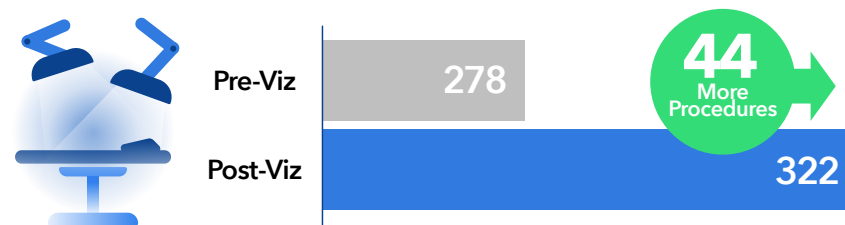
55% Mean Reduction in Neuro-ICU LOS, 25% in Hospital LOS³



³ Hassan, A, et al. Interventional Neuroradiology, 2020.

Increase Access to Care

16% Increase in Patients that Qualify for Thrombectomy⁴



⁴ Frei D, et al. How Viz Has Improved My Practice. Stroke Webinar 2020.

Atlanta Hospital Implementation

Implementation Overview & Specific Challenges

- 11 hospital health system with large footprint
- Fully remote implementation
- Scanners from different manufacturers

Project Results

- 250 team members onboarded and trained
- Less than 8 weeks from contract sign to go live at all sites

"This was the fastest and easiest implementation of a technology project I have ever led. The Viz team was world class and truly made us feel like we were their only customers."

- Executive Director of Neurosciences

Implementation Expertise: Once the paperwork is signed, how quickly will this begin providing ROI?

Your chosen vendor should have demonstrable experience implementing their solution across a variety of healthcare environments. This should include extensive hands-on support that guides the process from the moment of kickoff through go live and beyond. The Viz Platform is cloud-native and does not require on-premise installation. This significantly cuts down on the number of IT hours required. Every Viz module exists in a single platform accessible from the cloud.

3

Ongoing Support & Customer Success

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After the solution has been implemented, what kind of ongoing support does the vendor provide? Is it proactive or simply reactive?

Proactive Support	Reactive Support
<ul style="list-style-type: none">• Ongoing consultation• Results optimization• Continuous user training	<ul style="list-style-type: none">• Addressing user complaints• Fixing technical issues• Answering questions

Ideally, your vendor should assign a dedicated support staff familiar with clinical workflows to work alongside your team. The support staff should be focused not only on remediating problems but also on anticipating challenges, providing ongoing user training, and implementing best practices to maximize the impact of the technology in your center.



Technology paired with Customer Success specialists

Viz employs a team of Customer Success Specialists with experience in workflow. This team is dedicated to partner with your organization and execute thoughtful implementation, ensure optimal utilization and drive improved workflow at your center.



Support successful adoption and use

- Promote engagement
- Ensure and maximize impact of Viz technology in your center
- User training for workflow optimization
- 24/7 dedicated support for your care team



Regular Business Review

- Use and engagement
- Viz performance metrics
- Overall health and status



Reporting

- Case Studies
- Positive alert volumes



Which vendor has a proven economic value?

Finally, you should evaluate the potential economic impact of each AI-powered care coordination solution on your program.

Here are a few ways that a solution might benefit your program economically:

Efficiency gains

- Reducing futile transfers
- Reducing false care team activation
- Eliminating redundant imaging studies

Improving patient outcomes

- Accelerating time to treatment decision
- Reducing length of stay
- Improving patient health scores at discharge

Increase in beneficial procedures

- Increasing rates of identification of urgent cases
- Increasing the volume of necessary procedures

See Intelligent Care Coordination in Action

Ready to see how Viz.ai can help reduce time to care and improve patient outcomes for your vascular program? [Schedule a demo today by emailing info@viz.ai.](mailto:info@viz.ai)

About Viz.ai

Viz.ai is the leader in AI-driven intelligent care coordination. 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.ai's clinically validated platform leverages advanced deep learning to communicate time-sensitive information to specialists who can more quickly and easily make treatment decisions for the patient.