

The future of AI governance

Laying the foundation for compliance
and clinical trust



White paper
September 2025

Powering scalable, trustworthy AI governance in healthcare

Executive summary



As artificial intelligence (AI) becomes more embedded in healthcare, from clinical decision support to operational efficiency, healthcare systems are grappling with a common challenge: how to govern AI effectively at scale.

Without visibility into which models are in use, who is accountable for them or how they perform over time, organizations face growing risks. This lack of oversight erodes trust among clinicians and patients, and leaves organizations in a reactive position, making it challenging to stay ahead of emerging regulatory requirements.

Developed in collaboration with Duke Health, Microsoft and Accenture, [Smart AI Governance Engine \(SAIGE\)](#) is a first-of-its-kind, healthcare-built platform created by Avanade to address these challenges.

SAIGE is a fully digitized AI governance solution that allows healthcare organizations to register, monitor and manage AI models from a single, secure location.

With standardized workflows, a centralized AI inventory and low barrier to entry, SAIGE empowers healthcare systems to move from fragmented oversight to transparent, scalable governance while laying the foundation for compliance, clinical trust and safe AI adoption. SAIGE provides a path to accelerate and scale the power of AI.

A new era of AI in healthcare requires responsible governance

With the ever-increasing proliferation of AI solutions, from predictive models to generative agents, the need for robust governance is more urgent than ever. To date, successful, value-driving adoption has been limited, in part due to general confusion among potential adopters about the best ways to select, implement and manage new solutions. Healthcare leaders are worried they will risk their competitive edge if they don't accelerate AI adoption¹ and are finding themselves asking a very important question:

How do we govern AI tools safely, responsibly and at scale?

Today, most healthcare systems have limited central visibility, if any at all, into what AI models are deployed, where they are being used or how they are performing. This lack of governance poses growing risks and exposes a dangerous blind spot.

Why AI governance can't wait

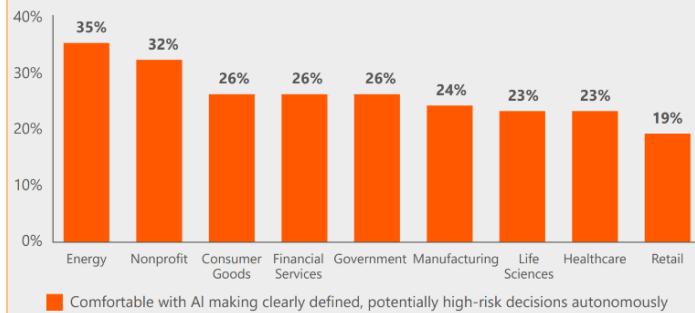
The adoption of AI in healthcare is no longer theoretical. Algorithms are actively supporting diagnostics, workflow automation, predictive analytics and even administrative operations. This momentum has outpaced the governance infrastructure required to manage these tools safely and effectively.

Many healthcare systems currently do not have formal processes in place to oversee AI tools, including how models are selected, reviewed or monitored after deployment. Without visibility into where and how AI is being used, healthcare systems face multiple risks:

- **Clinical safety** concerns from unmonitored model drift or bias
- **Regulatory noncompliance** as AI oversight requirements grow
- **Operational inefficiencies** as teams duplicate efforts
- **Erosion of trust** in AI model efficacy among clinicians and patients

As AI adoption scales, these risks will only intensify. A lack of central coordination and inventory means organizations are operating without visibility and may not know a model is underperforming until it's too late.

How trust in AI decisions varies across industries



In Avanade's AI Value Report 2025, healthcare lags in trusting AI to make high-risk autonomous decisions.

A push toward standards

As AI adoption grows, healthcare leaders are rallying around establishing standardized Responsible AI principles. Consortiums like the [Coalition for Health AI \(CHAI\)](#) and the [Trustworthy & Responsible AI Network \(TRAIN\)](#) are setting important groundwork.

CHAI's Blueprint for Trustworthy AI² and its recent partnership with The Joint Commission³ signal growing alignment on best practices as they work to co-develop AI deployment playbooks and a certification program to bring trust-building AI practices to healthcare organizations by Fall 2025.

However, while the consensus is still forming, most healthcare systems are left managing oversight through spreadsheets, emails and manual reviews. Despite the momentum, there has been no dedicated product to digitize and operationalize AI governance for healthcare—until SAIGE.



¹ "AI Value Report" Avanade Trendlines, 2025

² "Blueprint for Trustworthy AI Implementation Guidance and Assurance" Coalition for Health AI, 2023. Accessed July 11, 2025

³ "The Joint Commission and Coalition for Health AI Join Forces to Scale the Responsible Use of AI in Delivering Better Healthcare" The Joint Commission, June, 2025

How SAIGE enables scalable governance at Duke Health

Duke Health has been a leader in AI governance, establishing one of the first, robust healthcare governance frameworks: Algorithm-Based Clinical Decision Support (ABCDS) Oversight⁴. As the number of Duke Health's AI models grew, so did the complexity of managing them. To scale their process, Duke Health collaborated with Avanade and Microsoft⁵ to develop SAIGE, a platform that digitizes and streamlines AI governance.

With SAIGE, Duke Health will be able to:

- Centralize visibility into all AI models, including use case, model information and risk
- Automate workflows, routing reviews to the right stakeholders
- Maintain audit-ready records for internal and external requirements
- Enable real-time oversight to support proactive and informed governance

SAIGE will build on Duke Health's strong foundation to help them manage more models, more efficiently, all while accelerating safe, scalable AI adoption across the system.

Looking ahead, SAIGE will continue to evolve with integrated evaluation pathways, advanced analytics and reporting, priority integrations such as performance monitoring, and enhanced vendor collaboration capabilities, enabling healthcare systems like Duke Health to govern increasingly complex AI ecosystems with agility, transparency and confidence.

SAIGE AI Registry – centralized inventory of all AI model cards within an organization

SAIGE Registry Submission - entry form for submitting new AI solutions and their use cases into the governance process

Start AI governance in healthcare today

AI will only grow more central to healthcare delivery and as technology evolves, so too must the systems that govern it. Local action is essential. Healthcare systems that invest in governance infrastructure today will be best positioned to:

- Scale AI adoption with confidence
- Meet regulatory expectations as oversight tightens
- Foster trust among clinicians and patients
- Attract vendor partners who prioritize safety, transparency and collaboration

Are you ready to implement your AI governance and see SAIGE in action? Visit [Avanade's Smart AI Governance Engine](#) to schedule a demo.

⁴ [Algorithm-Based Clinical Decision Support \(ABCDS\) Oversight](#), Duke Health

⁵ [Avanade's Smart AI Governance Engine \(SAIGE\) | Avanade](#), Avanade, 2025

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We're excited to have the opportunity to leverage our expertise and our Algorithmic-Based Clinical Decision Support (ABCDS) methodology as the basis for a scalable platform.

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Michael Pencina, PhD
Chief Data Scientist, Duke Health

With SAIGE, health systems can move beyond fragmented oversight and start building scalable, trustworthy AI governance today. The platform is a ready-made, healthcare-specific solution that adapts to the needs of each organization, enabling visibility, accountability and confidence in every AI deployment. As national standards evolve and regulatory scrutiny increases, the time to act is now. Healthcare systems that lay the groundwork today will be the ones leading tomorrow.

About Avanade

Avanade is the world's leading expert on Microsoft. Trusted by over 7,000 clients worldwide, we deliver innovative, AI-driven solutions that solve complex business challenges and unlock the full potential of people and technology. Our mission is to empower organizations with Microsoft technology, helping them optimize operations, drive growth, and foster innovation to create exceptional customer experiences. In 2025, Avanade proudly celebrates its 25th anniversary – marking a quarter-century of innovation and delivering impact for our clients, their customers, employees, and partners. Since our founding in 2000 as a joint venture between Accenture and Microsoft, we have led the way in digital transformation, helping businesses embrace new technologies and drive meaningful change.

Together with Accenture, we bring the power of global scale and deep local expertise in AI, cloud, data analytics, cybersecurity, and ERP to deliver human-centered experiences. Avanade's close partnership with Microsoft allows early access to the latest technologies, serving as Microsoft's "Client Zero" and earning, with Accenture, Microsoft's Global SI Partner of the Year Award a record 19 times. As a purpose-driven organization, we champion diversity, inclusion, and sustainability, ensuring our work not only drives business success but also benefits society.

Avanade. Do what matters. Learn more at www.avanade.com and follow us on LinkedIn.

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