

Healthcare

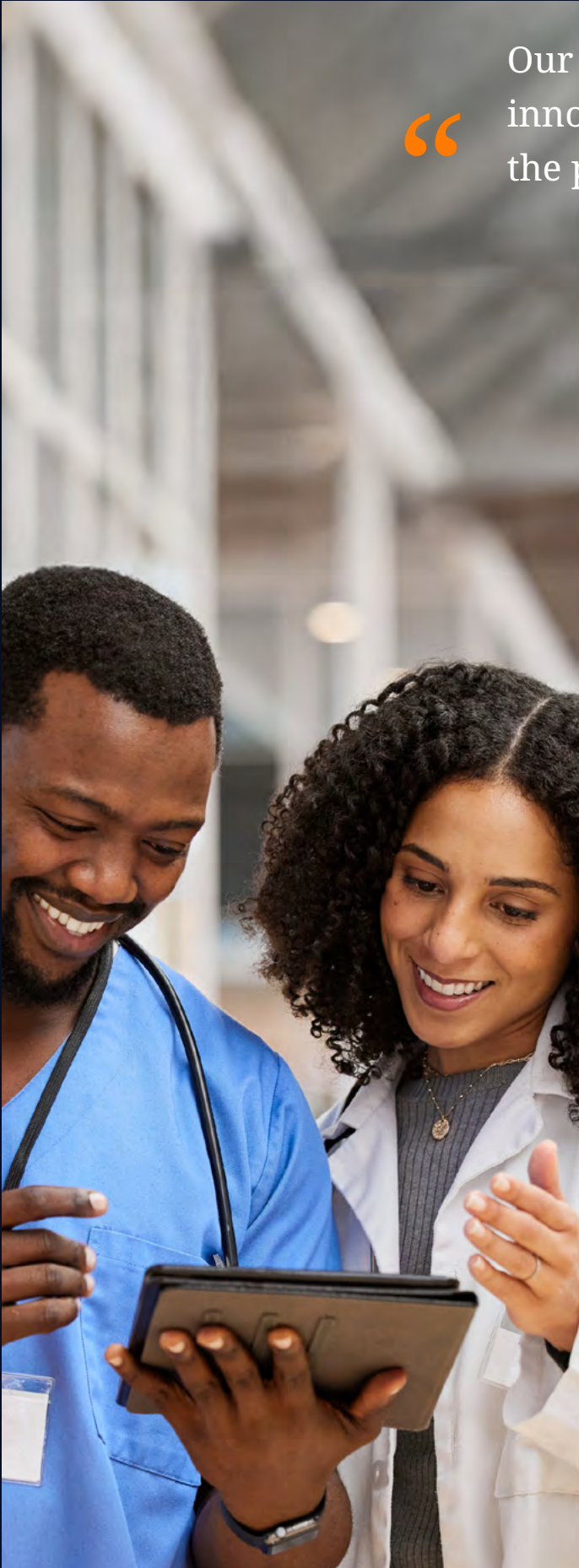
Innovative solutions
for better patient
outcomes.



Today's healthcare institutions face many challenges. These include increasing demand for services, maintaining high-quality patient care, navigating complex regulatory requirements, and ensuring data security and privacy.



Healthcare organisations are also adapting to rapid technological advancements. They seek to understand the value of GenAI, integrate disparate systems, and reverse rising operational costs. Addressing these challenges requires not just advanced technology but also a clear strategy, the right expertise, and a defined vision for how AI creates value.



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Our partnership is dedicated to driving innovation and transformation within the public sector.

Our partnership combines NTT DATA's deep industry expertise and Microsoft's cutting-edge technology to deliver comprehensive solutions that address the challenges faced by healthcare organisations today. By integrating advanced technologies such as AI, machine learning, and cloud computing, we empower our clients to enhance their operational efficiency, improve risk management, and deliver personalised customer experiences.

The risks and opportunities created by AI in particular cannot be overlooked. On one hand, AI-driven innovations promise to revolutionize patient care and operational efficiency. On the other, they bring forth concerns related to privacy, ethics, and potential biases. Guided by ethical AI principles, NTT DATA and Microsoft deliver solutions that empower healthcare organizations to innovate responsibly. Our approach ensures that AI advancements are not only transformative but also aligned with ethical standards, addressing concerns about privacy, bias, and equity in patient care.”

Our commitment extends beyond technology implementation; we focus on delivering measurable business outcomes for our clients. With our joint solutions, healthcare institutions can achieve greater agility and resilience, enabling them to navigate regulatory changes and market fluctuations with confidence. Our robust cybersecurity offerings ensure that data protection and compliance are at the forefront of our solutions, providing peace of mind in an increasingly complex digital landscape.

Furthermore, our partnership is built on a foundation of continuous support and collaboration. We offer full lifecycle support, from strategic consulting and implementation to ongoing management and optimization. This holistic approach ensures that our clients can maximize the value of their technology investments and stay ahead of the competition.



Efficiency through technology

Efficiency is crucial in healthcare to streamline operations and reduce costs through automation and process optimisation. By leveraging advanced technologies and comprehensive support, healthcare organisations can deliver better patient outcomes and operate more efficiently.

We empower healthcare providers with AI-driven diagnostic tools for faster, more accurate disease detection. These tools streamline clinical workflows, enhance efficiency, and reduce errors, resulting in better patient outcomes and improved operational performance.

Our comprehensive data solutions and consulting services support the entire healthcare journey. From policy creation to system implementation, we help organisations manage, analyse, and utilise high-quality, interoperable data for better, faster decision-making.

Leveraging Microsoft-certified expertise and secure technologies, we deliver tailored solutions that optimise clinical workflows, reduce costs, and enhance resource efficiency. This frees healthcare teams to focus on patient care while minimising disruptions during digital transformation.

Agility and resilience

In the ever-evolving healthcare landscape, agility and resilience are vital to respond to changing needs and future health threats. Our solutions help clients adapt quickly and maintain continuity, ensuring they can effectively manage emerging challenges. By leveraging innovative Microsoft technologies and AI-driven insights, we empower healthcare organisations to make data-driven decisions and proactively anticipate trends, ensuring operational continuity and efficiency.

NTT DATA and Microsoft provide comprehensive consulting services that equip healthcare clients with the strategies and tools necessary to adapt to changing circumstances. Our tailored solutions meet specific local needs while maintaining alignment with a global strategy, enabling healthcare providers to respond swiftly to market fluctuations. Microsoft technologies, including AI-based tools Microsoft Azure DevOps, Microsoft Power Platform, and Microsoft Fabric are adopted, integrated, and customized as required. These technologies help healthcare organisations gain a comprehensive view of patient experiences and improve outcomes.

The combined expertise of NTT DATA and Microsoft brings business and technical knowledge and industry insights, allowing for adaptable solutions that enable quick responses to healthcare challenges. Our healthcare-focused teams, with real-world experience, ensure our solutions are relevant and can swiftly address evolving industry needs. We balance local autonomy with a global strategy, providing tailored solutions that respond promptly to unique healthcare contexts.

We break down data silos, facilitating faster decision-making and real-time insights. Our comprehensive support accelerates the implementation of innovative solutions, enhancing operational agility and responsiveness to patient needs. This ensures flexibility and resilience at each step along the digital transformation journey, empowering healthcare organisations to thrive in a changing landscape.



Elevated customer and employee experience

Improving the experience of both patients and healthcare employees is crucial for better outcomes and satisfaction. By integrating advanced technologies, we empower healthcare providers to deliver personalised patient care while streamlining workflows for staff. Our solutions focus on utilising AI and data-driven insights to improve diagnostic accuracy and operational efficiency, fostering a seamless experience for both patients and healthcare professionals.

Our advanced AI models allow healthcare providers to deliver more accurate diagnostics and personalised treatment, improving patient outcomes. Microsoft Fabric's healthcare data solutions enable organisations to ingest, store, and analyse a wide range of healthcare data, providing valuable insights for decision-making.

Our solutions are highly customisable, allowing healthcare organisations to test, fine-tune, and build AI solutions tailored to specific needs. The integration of DAX (Dragon Ambient Experience) combines healthcare and conversational data to generate unique insights, providing a comprehensive platform for healthcare AI development.

Our platform adheres to healthcare standards like FHIR and DICOM and complies with regulations such as HIPAA and GDPR, ensuring data management and compliance.

By leveraging advanced speech-to-text capabilities, including DAX and other Microsoft cognitive services, clients in the public sector and healthcare industries can achieve significant improvements in data analysis and decision-making. Integration of AI and data solutions supports more accurate diagnostics and personalised care, ultimately enhancing patient outcomes.



Innovation leadership

In the public sector and healthcare landscape, innovation is important to stay competitive. It fosters a culture of continuous improvement and collaboration, enabling organisations to adapt to changing needs and invest in new ideas or advancements. By prioritising innovation, public sector and healthcare organisations can stay ahead of trends, meet evolving demands and maintain their relevance in the market. This proactive approach not only drives growth but also ensures long-term success by addressing emerging challenges and opportunities.

We work alongside Microsoft engineers and customers on proof of concepts, ensuring that our solutions are cutting-edge and effective. We invest 30% of our profits annually in R&D, demonstrating our dedication to long-term success and continuous innovation. This strong emphasis on innovation allows us to be among the first partners to launch new initiatives, providing our clients with the latest advancements in healthcare technology.

Tailored AI solutions for predictive analysis, image recognition and patient monitoring enhance decision-making and patient outcomes. These algorithms are designed to address specific clinical challenges, driving innovation in healthcare practices. Advanced machine learning models for accurate and quick disease diagnosis reduce errors and improve care. We provide comprehensive support from ideation to implementation, integrating AI solutions into existing systems for improved patient outcomes.

Our consulting services focus on integrating innovative solutions and AI technologies to drive continuous improvement and stay ahead of the competition. Effective data management, analysis and utilisation support AI-driven insights and enhance decision-making. These solutions enable public sector and healthcare organisations to leverage data for innovation, develop new treatments and improve patient care through advanced analytics and AI applications.





Our joint offer

01 Unified healthcare solutions:

NTT DATA and Microsoft provide integrated solutions that combine advanced technologies with deep industry expertise to address the unique challenges of the healthcare sector.

02 AI-driven diagnostics:

Our AI-based diagnostic tools enhance the accuracy and speed of disease detection, improving patient outcomes and operational efficiency.

03 Optimised clinical workflows:

We streamline and automate healthcare processes, reducing errors and freeing up healthcare providers to focus on patient care.

04 Comprehensive data Management:

Our solutions enable effective management, analysis, and utilization of healthcare data, supporting better decision-making and improved patient care.

05 End-to-end consulting services:

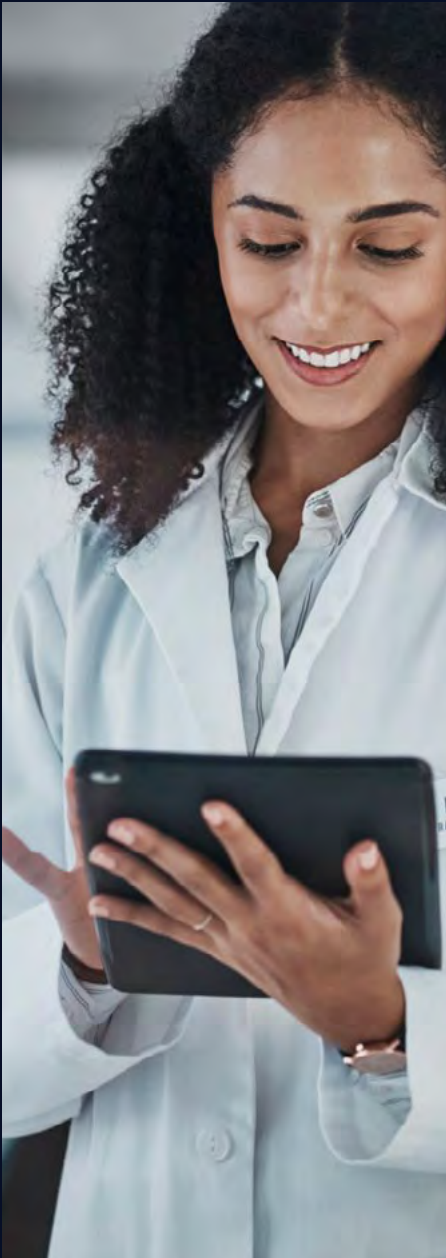
From policy conception to system implementation, we offer comprehensive support to ensure seamless and efficient healthcare operations.

06 Scalable and flexible solutions:

Our approach adapts global strategies to local needs, ensuring that our solutions are tailored to specific healthcare contexts and can scale as your organization grows.

07 Proven industry expertise:

With a long history of collaboration and innovation with Microsoft, NTT DATA brings extensive experience and a deep understanding of the healthcare industry.



Working together

NTT DATA and Microsoft have been collaborating for more than 25 years to bring innovative solutions to the public sector industry. We are able to showcase the value of this partnership through real-world applications of digital transformation that highlight collaboration and progress in this vertical.

Nova Trials Project in Galicia:

We developed AI tools to identify patients for clinical trials and predict patient dropout rates. By leveraging Microsoft technologies, these tools significantly improved the efficiency and effectiveness of clinical trials. As a result, the customer experienced streamlined trial processes and better patient outcomes.

Trust Research Environment in the UK:

We implemented an Azure-based research environment to support the secondary use of clinical data for research purposes. This project demonstrated our capability to create secure and efficient environments for data-driven research. The customer benefited from enhanced data security and the ability to conduct comprehensive health studies.

Socioeconomic Impact Assessment for Fragility Syndrome:

We conducted a study to measure the direct and indirect costs of fragility syndrome and the impact of early detection strategies. This project resulted in improved patient care and a research poster presented at a scientific conference, showcasing our ability to conduct health economics research. The customer gained valuable insights into the economic impact of early detection, leading to better-informed healthcare strategies.

About NTTDATA

NTT DATA is a \$30+ billion trusted global innovator of business and technology services. We serve 75% of the Fortune Global 100 and are committed to helping clients innovate, optimize and transform for long-term success.

As a Global Top Employer, we have diverse experts in more than 50 countries and a robust partner ecosystem of established and startup companies.

Our services include business and technology consulting, data and artificial intelligence, industry solutions, as well as the development, implementation and management of applications, infrastructure and connectivity. We are also one of the leading providers of digital and AI infrastructure in the world. NTT DATA is part of NTT Group, which invests over \$3.6 billion each year in R&D to help organizations and society move confidently and sustainably into the digital future.

Learn more about NTT DATA

services.global.ntt



