



---

AFFILIATE PARTNERS

---



# Digitization & Automation in Healthcare Industry

---

Hi, In this discussion, we will look at how Microsoft Azure is enabling Education and bringing about digital transformation across Educational Institutions.

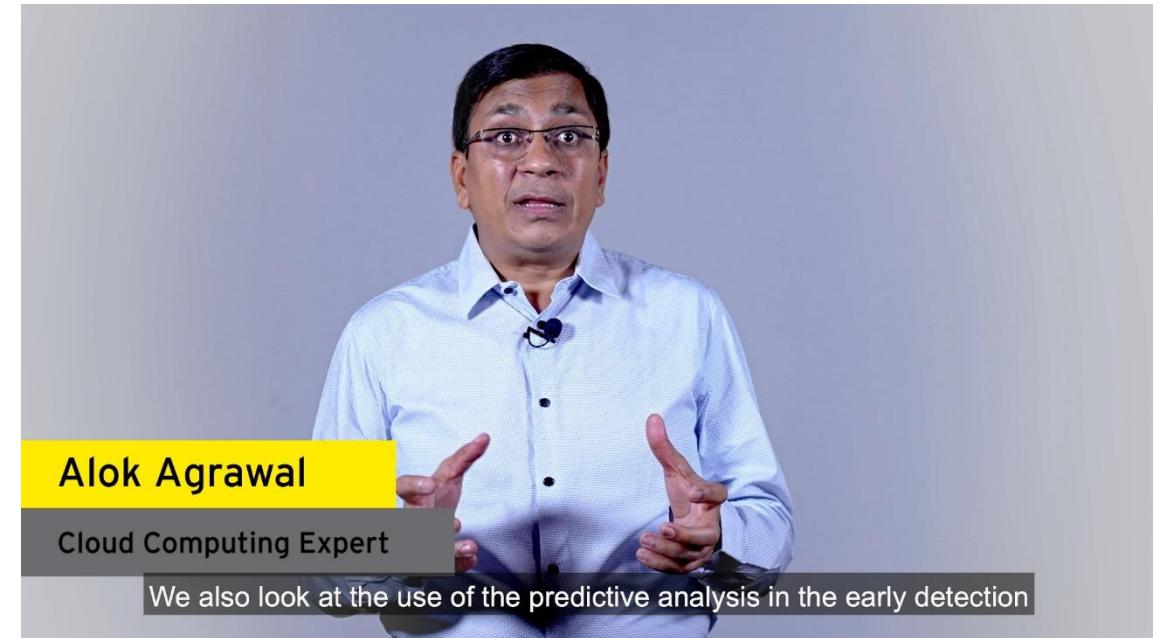


Digitization & Automation in Healthcare Industry

# Digitization & Automation in Healthcare Industry

---

Friends! Let us spend 30 minutes to appreciate how Microsoft Azure is providing the platform for lifelong learning.



# Digitization & Automation in Healthcare Industry

We also look at the use of the predictive analysis in the early detection to help individuals lead a healthier life. Specifically, we will talk about Microsoft Azure playing a role in improving the life of the human beings.

## Use Of Modern Technology In Healthcare Industry

01 How healthcare industry operates

03 Modern technology can help address the challenges

02 Challenges

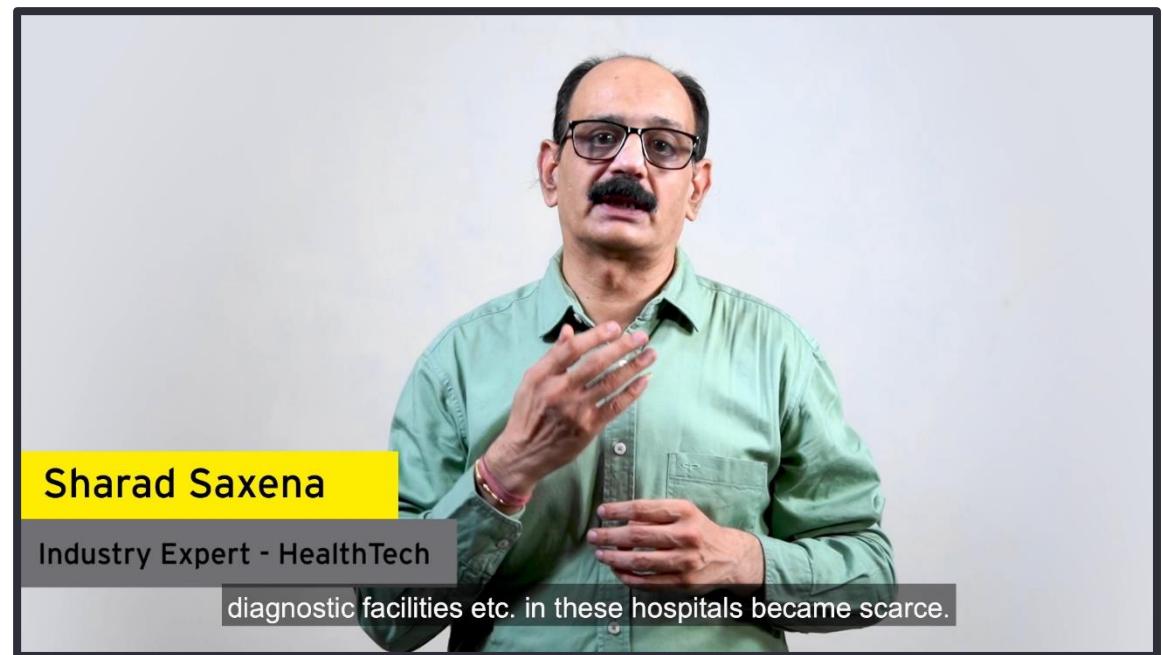
04 Optimize the services offered to the patients

how we can optimize the services offered to the patients.

# Digitization & Automation in Healthcare Industry

---

Indian healthcare industry started with government run hospitals which were well equipped to perform all the diagnostic tests. Specialised hospitals like AIIMS were started by government to cater advanced treatment and research requirements. With huge population growth, the availability of doctors or beds, diagnostic facilities etc. in these hospitals became scarce.



Sharad Saxena

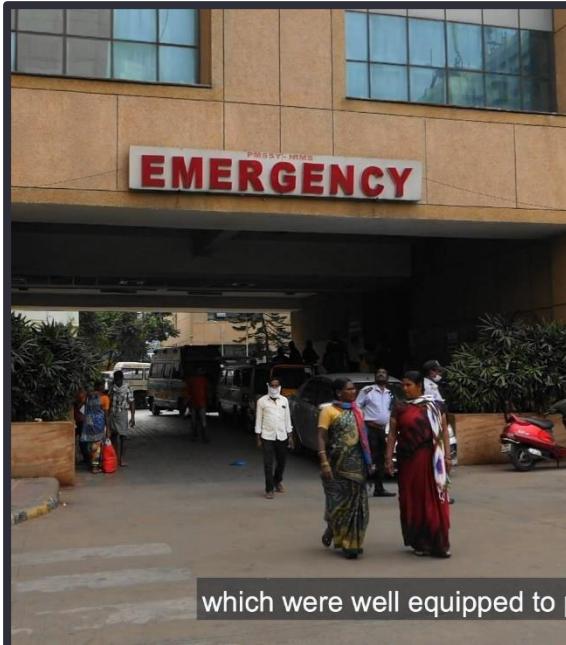
Industry Expert - HealthTech

diagnostic facilities etc. in these hospitals became scarce.

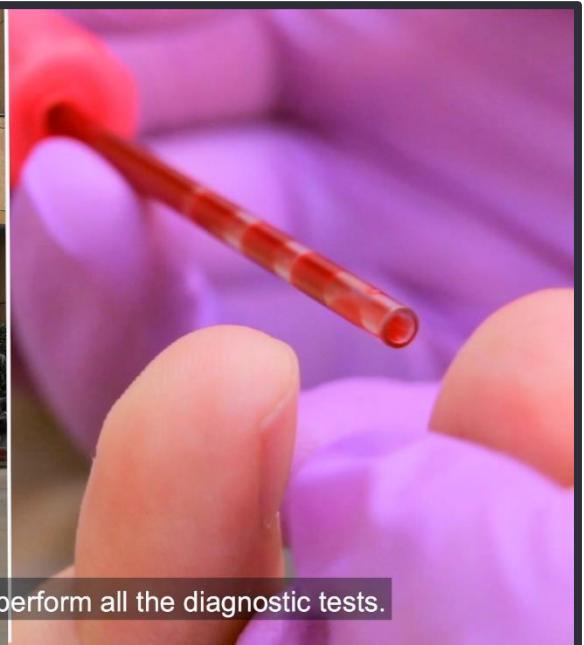
# Digitization & Automation in Healthcare Industry

Hence the privatisation of healthcare sector started turning the sector from social to organised vertical with tremendous growth potential.

Today, India has established brands and huge successful corporates with thriving business in the healthcare sector.



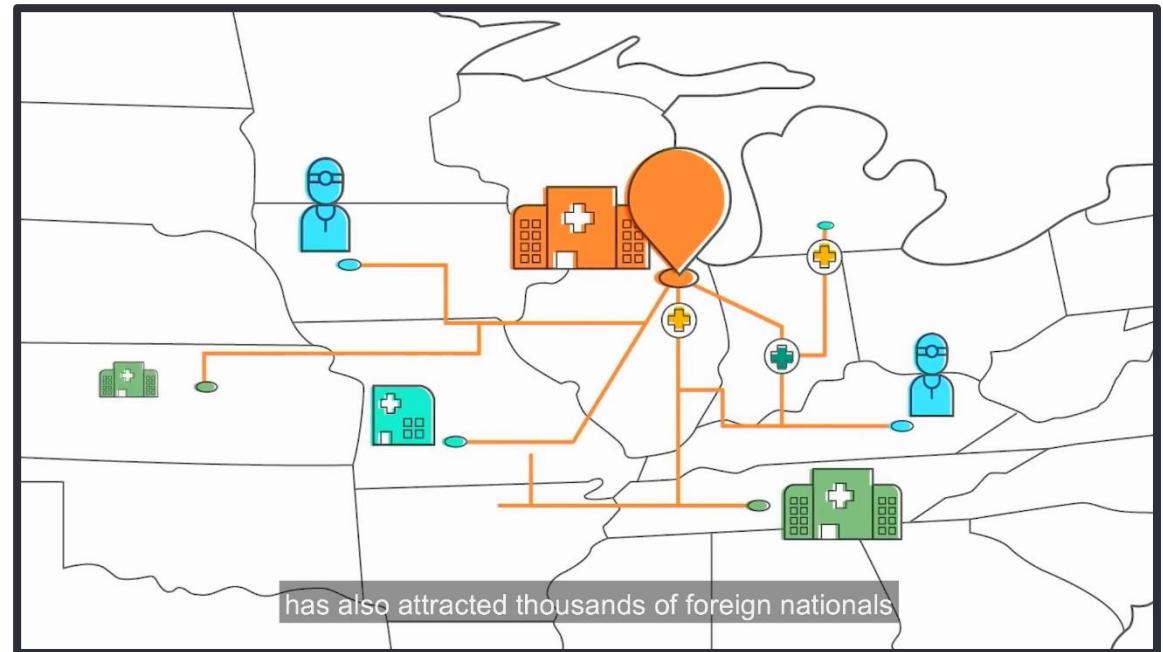
which were well equipped to perform all the diagnostic tests.



# Digitization & Automation in Healthcare Industry

---

The usage of latest advance technology and availability of world class services has also attracted thousands of foreign nationals for cost effective treatment in India, which is referred as medical tourism.

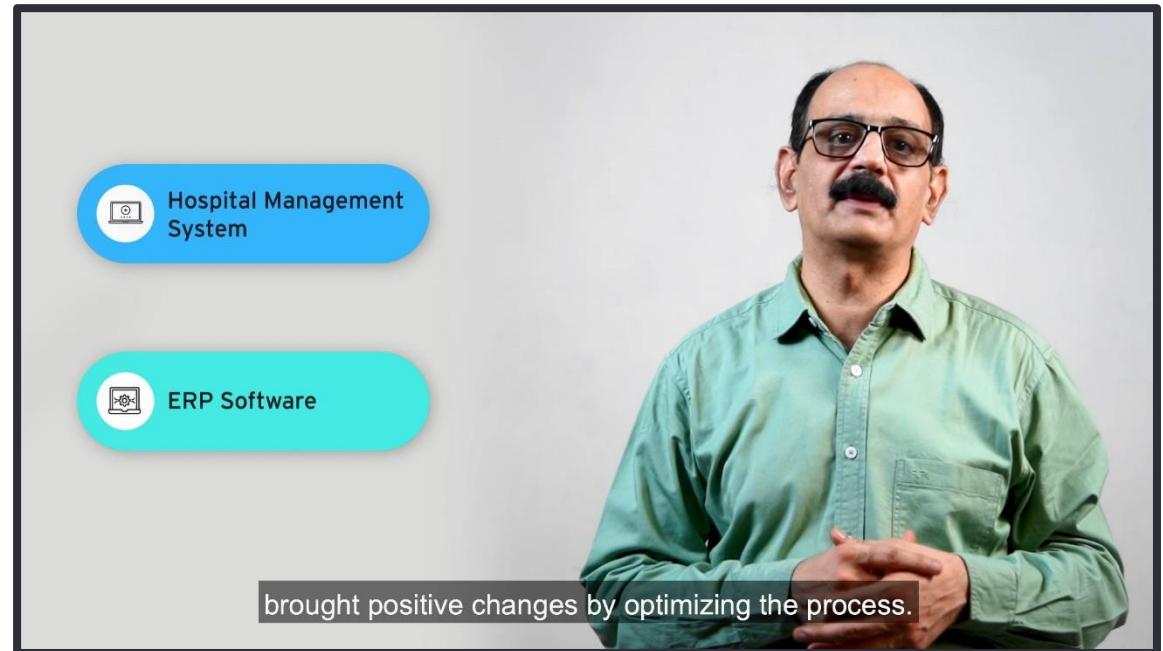


# Digitization & Automation in Healthcare Industry

---

Let us talk about the current state of digitization & automation in this sector.

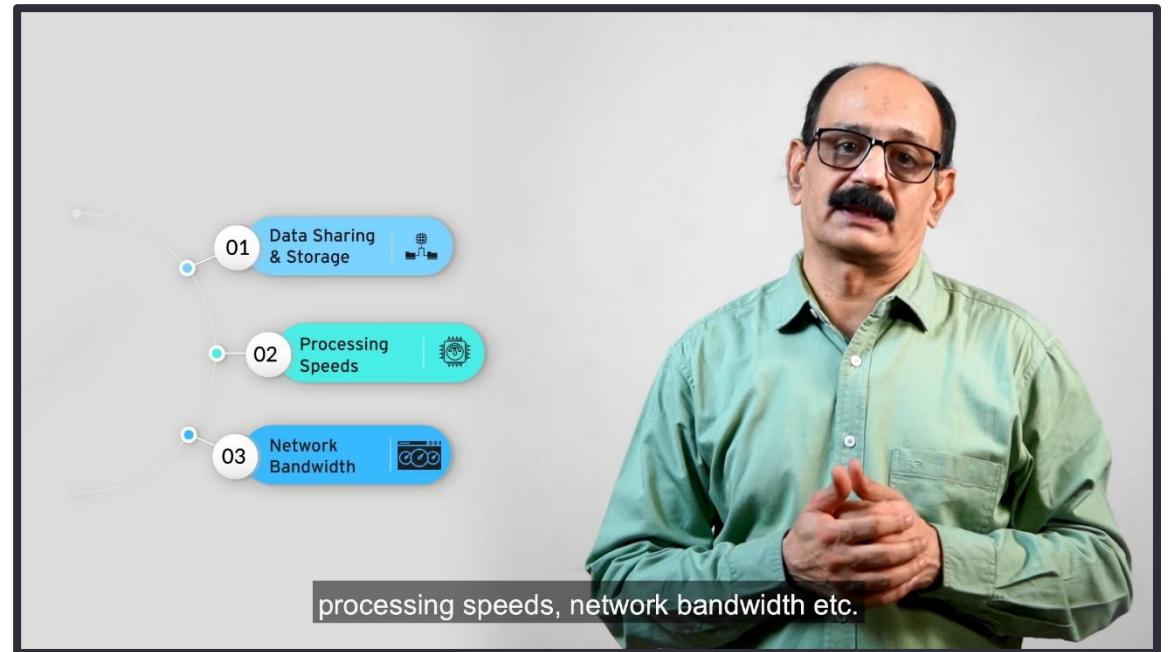
Introduction of computer applications like Hospital Management System, ERP software brought positive changes by optimizing the process.



# Digitization & Automation in Healthcare Industry

---

While the second level improvements came in terms of data sharing and storage, processing speeds, network bandwidth etc.



# Digitization & Automation in Healthcare Industry

---

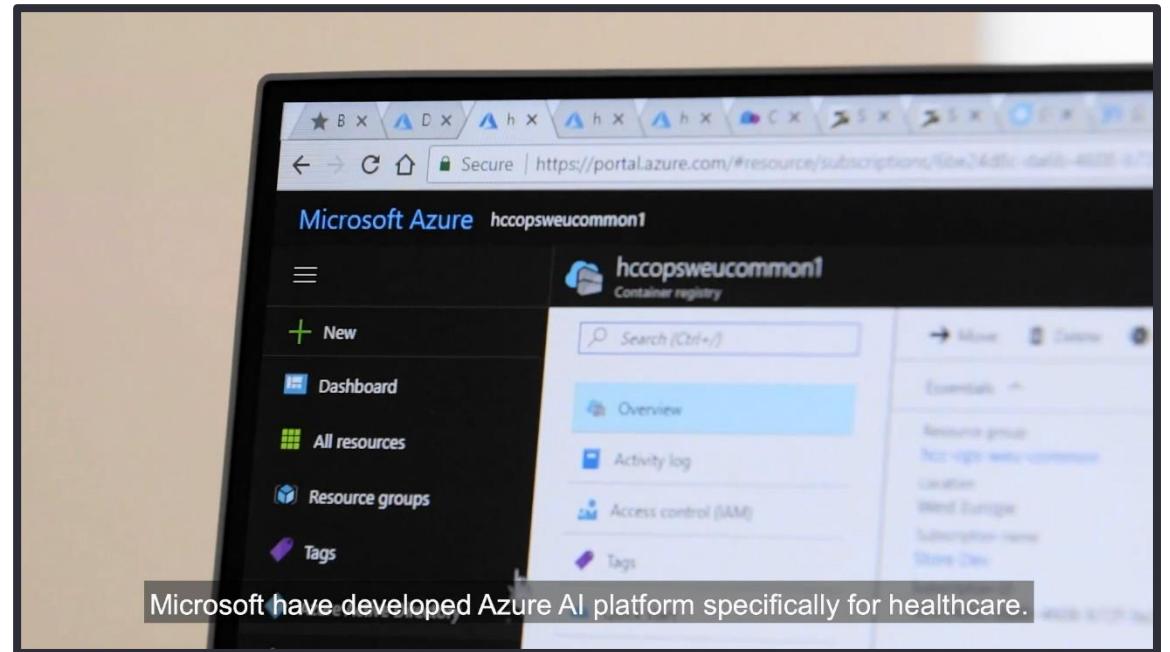
Today the patient history can be shared securely between hospitals / doctors across the globe.

Cloud technologies like Microsoft Azure are being extensively leveraged to make the applications, data, diagnostics reports etc. quickly available, securely stored and ensured industry compliances.



# Digitization & Automation in Healthcare Industry

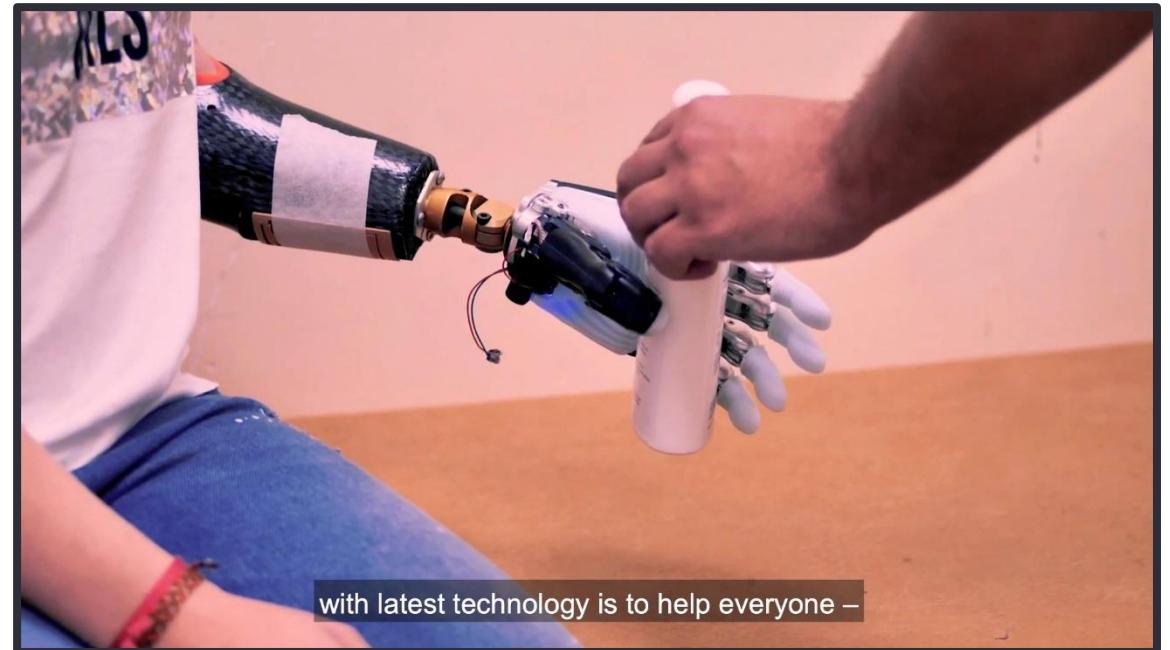
Microsoft have developed Azure AI platform specifically for healthcare.



# Digitization & Automation in Healthcare Industry

---

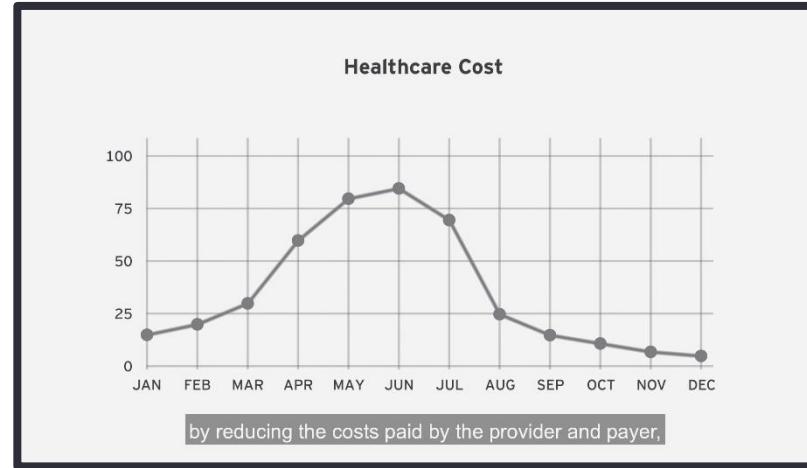
The objective of investing billions of dollars in developing and enhancing an advanced platform with latest technology is to help everyone - businesses, patients and doctors.



with latest technology is to help everyone –

# Digitization & Automation in Healthcare Industry

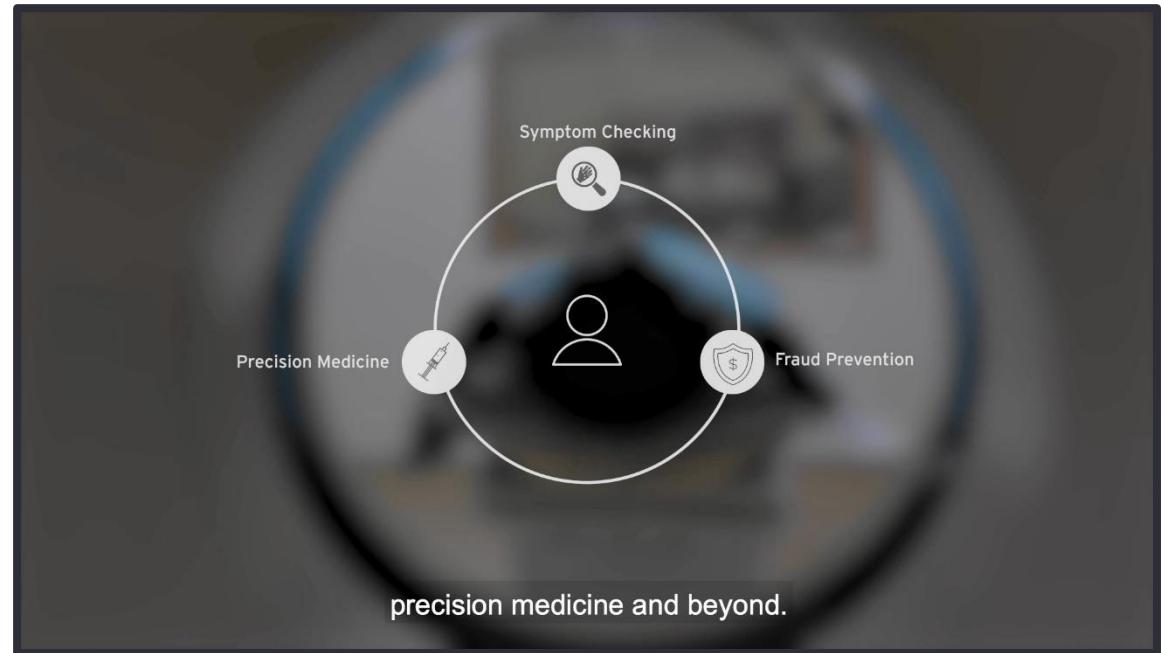
In controlling the ever-rising healthcare costs by reducing the costs paid by the provider and payer, and improve the patient outcomes with better satisfaction.



# Digitization & Automation in Healthcare Industry

---

Organisations can transform all segments of healthcare symptom checking, triage to fraud prevention, precision medicine and beyond.



# Digitization & Automation in Healthcare Industry

---

Microsoft calls it “Democratization of AI in Health” with a moto “Empowering every person and every organization with systems of intelligence”, having four-pronged approach.

Democratization of AI in Health



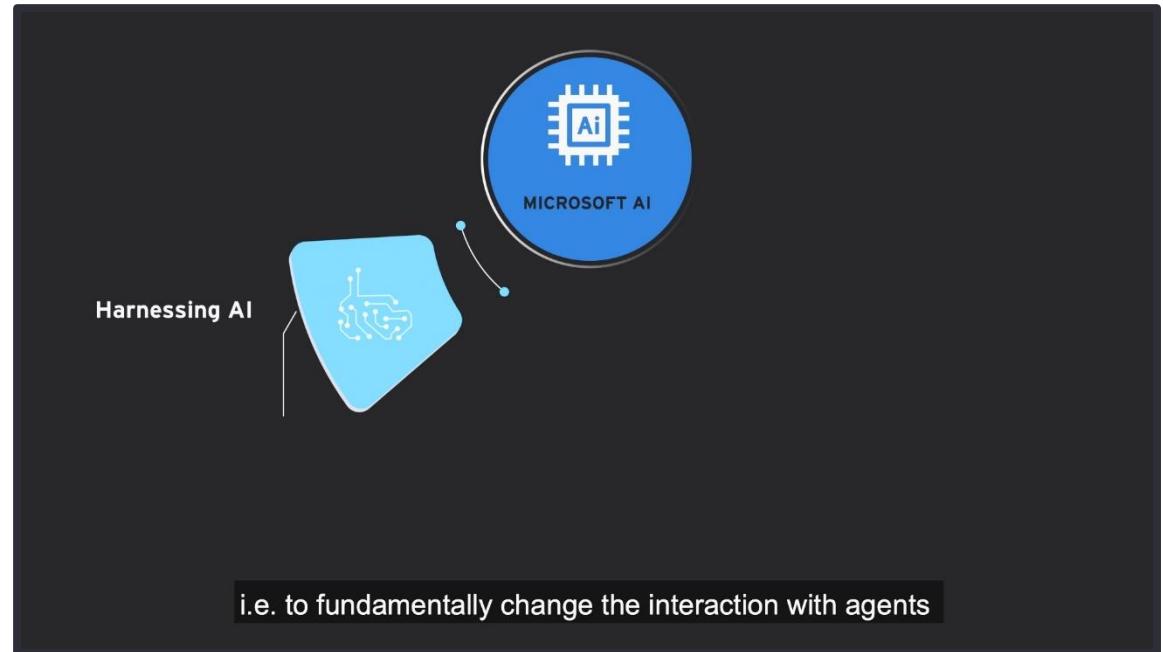
Microsoft calls it “Democratization of AI in Health” with a moto

# Digitization & Automation in Healthcare Industry

---

The first one is called Harnessing AI i.e. to fundamentally change the interaction with agents of ambient computing in real life. Cortana, Microsoft Pix, MileIQ and SwiftKey are few examples to input data in various forms from users, are using AI and provide help to user to input correct data faster.

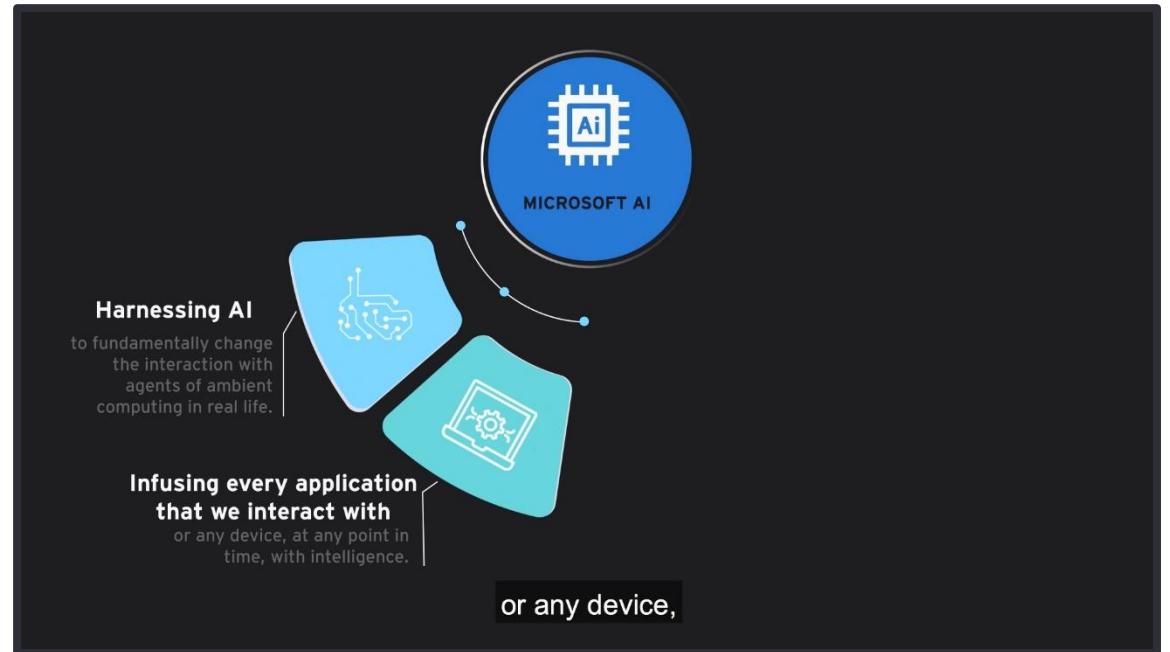
My Analytics in Microsoft Office 365 is like a tracker for your workday showing how you are spending your time informed by Microsoft Graph.



# Digitization & Automation in Healthcare Industry

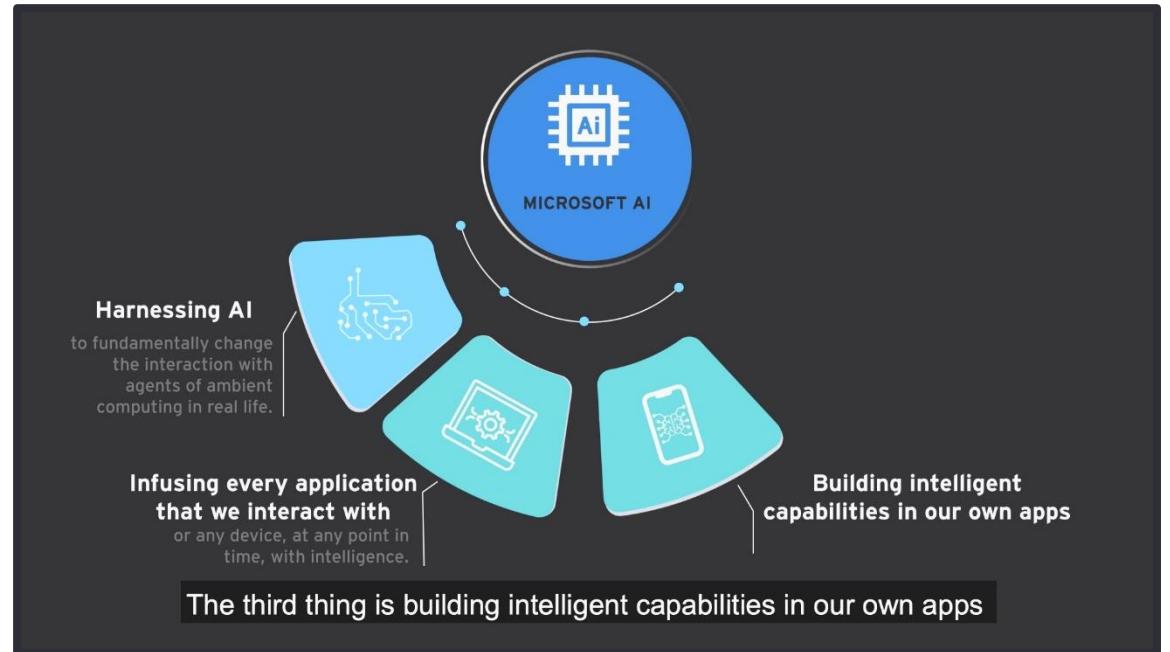
---

The second point is infusing every application that we interact with, or any device, at any point in time, with intelligence.



# Digitization & Automation in Healthcare Industry

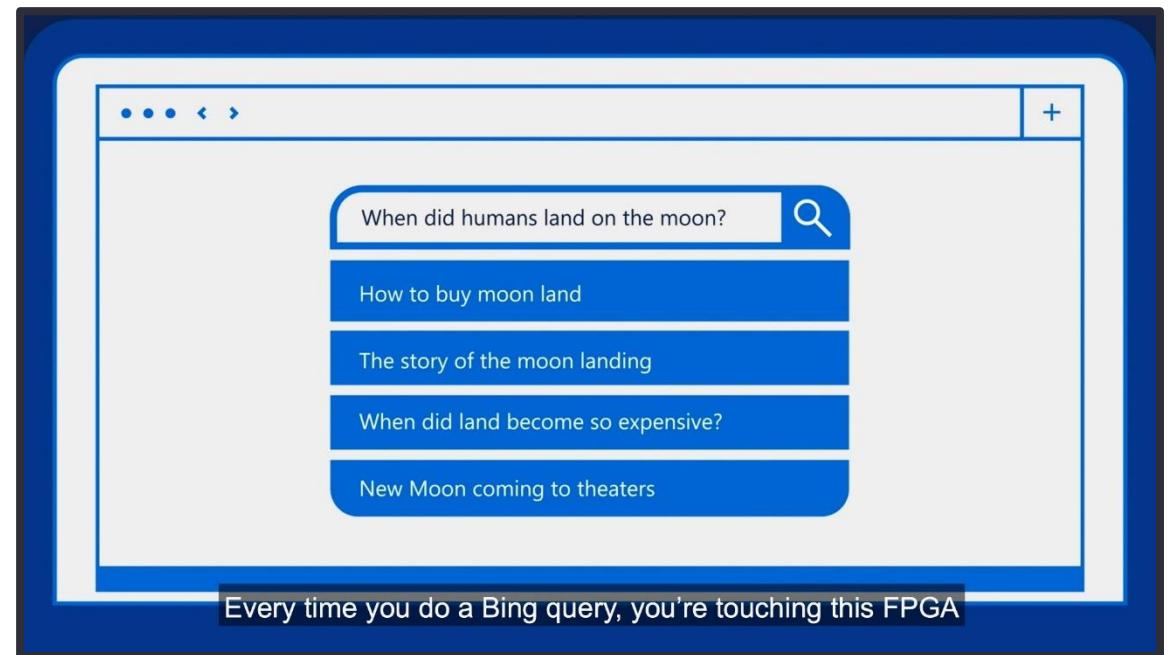
The third thing is building intelligent capabilities in our own apps the Cognitive Services APIs available to every application developer in the world with the concept of low-coding or no-coding to include even the non-developers in contributing value.



# Digitization & Automation in Healthcare Industry

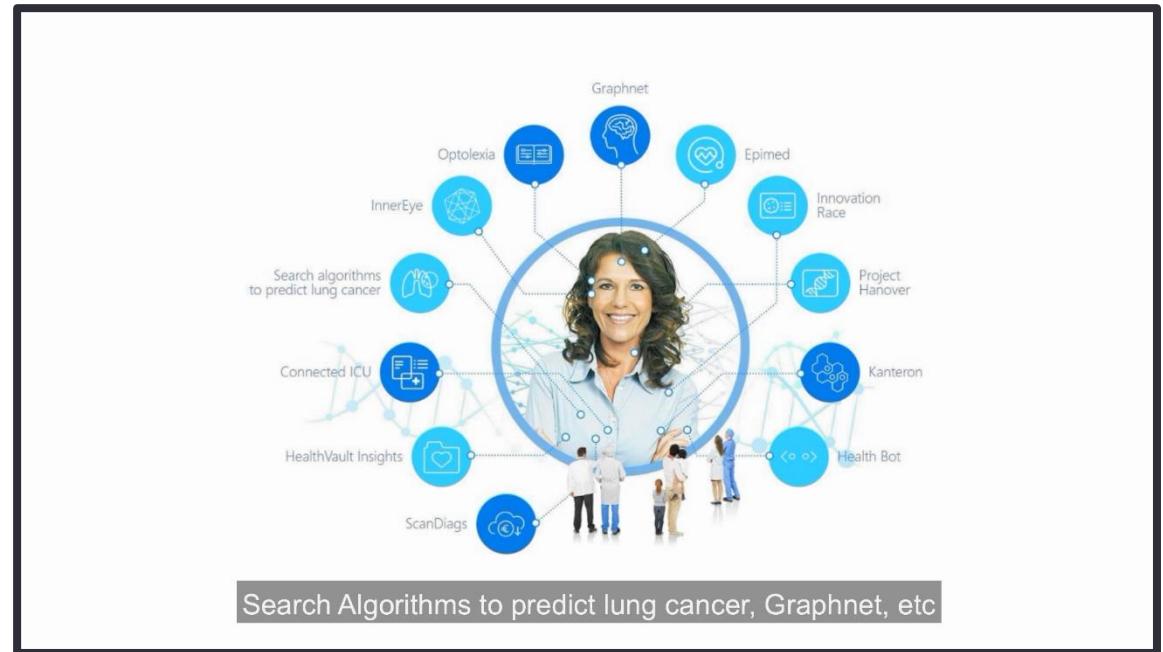
---

Every time you do a Bing query, you're touching this FPGA fabric to get better results.



# Digitization & Automation in Healthcare Industry

Microsoft proposes their services in healthcare sector in two effectiveness. One is clinical which is having about 12 areas like Health Bot, InnerEye, Search Algorithms to predict lung cancer, Graphnet, etc.



Search Algorithms to predict lung cancer, Graphnet, etc

# Digitization & Automation in Healthcare Industry

The second is Operational having 6 areas like seeing AI, Bot Framework, skype Translator, etc.



having 6 areas like seeing AI, Bot Framework, skype Translator, etc

# Digitization & Automation in Healthcare Industry

---

This Microsoft's AI platform leveraging Microsoft Azure Cloud Services for the usage of recent progression of AI algorithms which includes machine learning, language processing, imaging, speech processing and Big Data Analytics, adding the rich cream over our pie.



# Digitization & Automation in Healthcare Industry

---

Such analytical AI-ML solutions on Azure has brought a new spike in research and started a stream called “Clinical Analytics” whose results are very useful by insurance companies and clinical doctors treating out-patients.

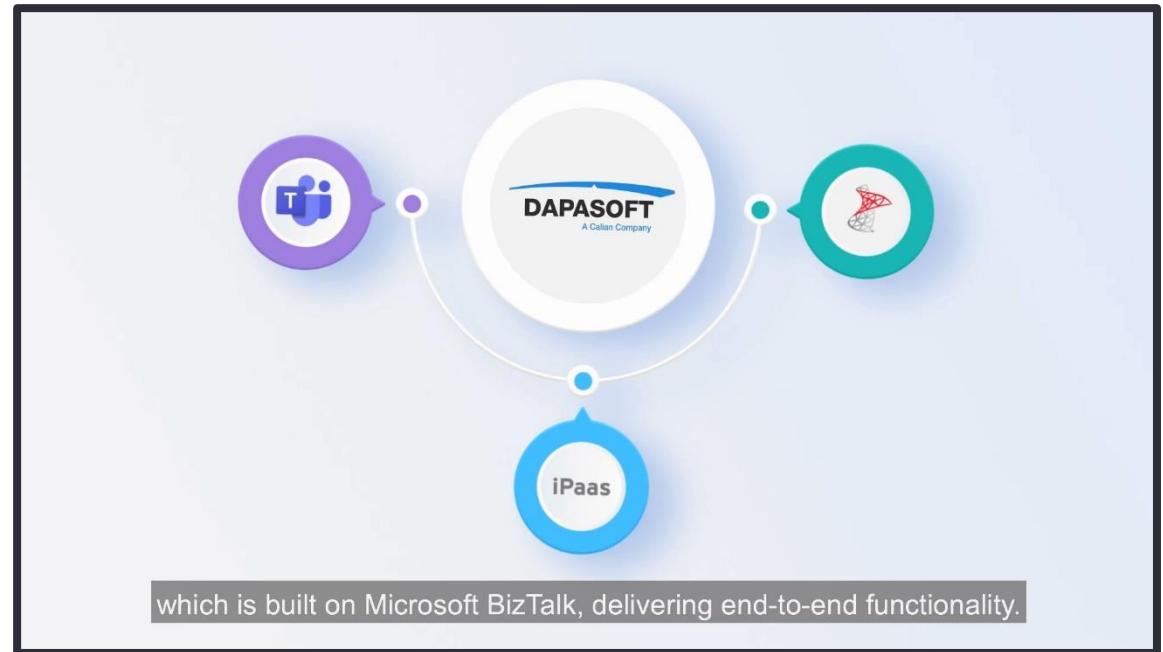


# Digitization & Automation in Healthcare Industry

---

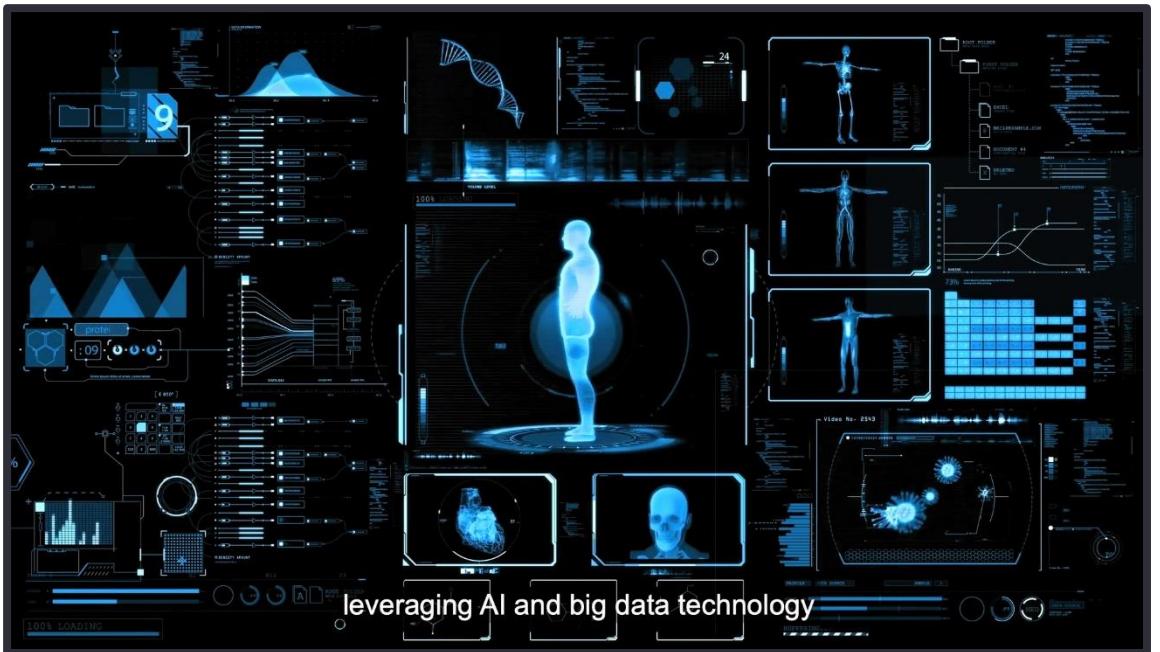
One of the example DAPASOFT provide healthcare solutions using Microsoft Teams, Azure Healthcare iPaaS platform and HL7 healthcare integration engine, which is built on Microsoft BizTalk, delivering end-to-end functionality.

It is a boon, actually. Now, we don't have to travel and spend money of logistics if someone have to consult a super-specialised doctor in a different city rather than in a country.



# Digitization & Automation in Healthcare Industry

The large hospital corporates are looking for/or are getting solutions developed leveraging AI and big data technology in their existing hospital solutions to have improved insights and customer satisfaction at various levels of services provided to their esteemed patrons.



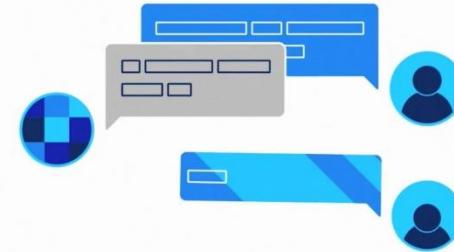
# Digitization & Automation in Healthcare Industry

---

Usage of Microsoft Azure Cloud technology has gifted us with online medical stores and online platforms for consultations by specialised doctors, through video calling.

The backbone of such solutions is Azure Bot platform, which is used as user interface for responding to generic queries of end consumers regarding pharmacy, health issues or generic questions.

Azure Bot Platform



generic queries of end consumers

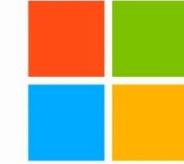
# Digitization & Automation in Healthcare Industry

---

Walgreens Boots Alliance (WBA), a major global pharmacy and healthcare retail provider, embraced Microsoft Bot platform and Azure Bot Services.



Walgreens Boots Alliance



Microsoft  
Bot Platform

embraced Microsoft Bot platform and Azure Bot Services.

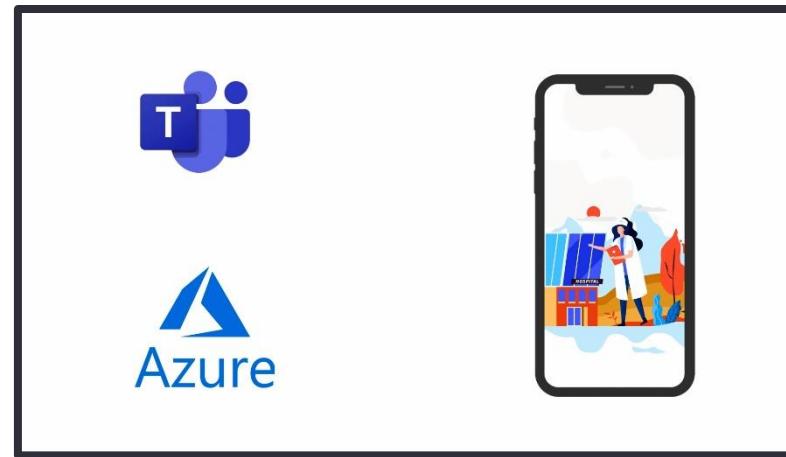
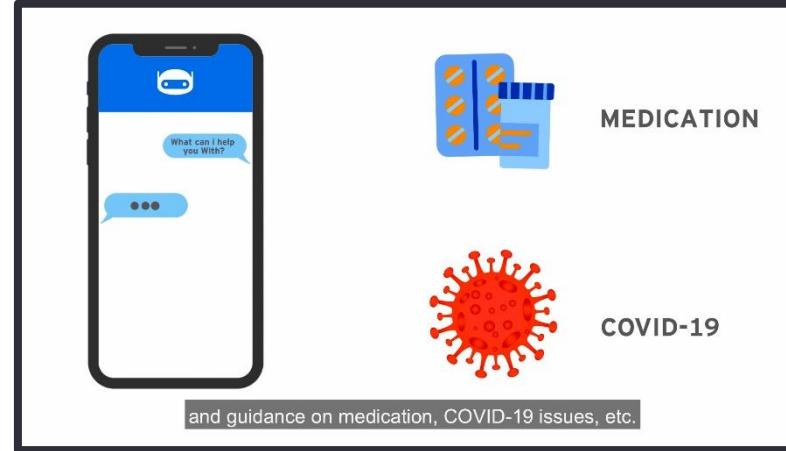
# Digitization & Automation in Healthcare Industry

---

The chat bot helps the customers to find answers

To general purpose questions and guidance on medication, COVID-19 issues, etc.

Azure Analytics and Microsoft Teams are used to refine the answers and making them more relevant to the patient.



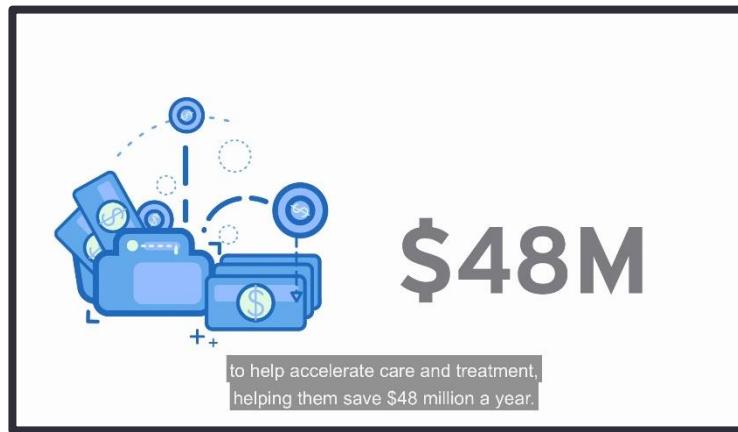
# Digitization & Automation in Healthcare Industry

---

Another example is Steward Healthcare, one of the premier health care operators in US, took AI capability into practice by getting an application developed to predict how long a patient will be in the hospital and also potential treatment plans to help accelerate care and treatment, helping them save \$48 million a year.



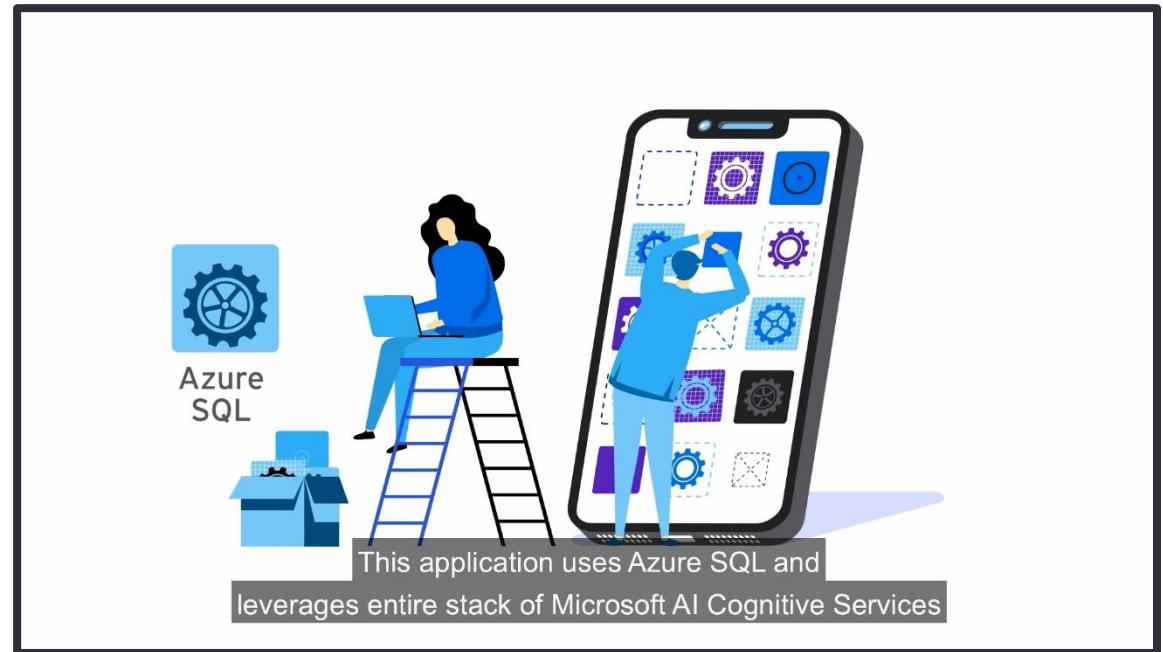
one of the premier health care operators in US,



# Digitization & Automation in Healthcare Industry

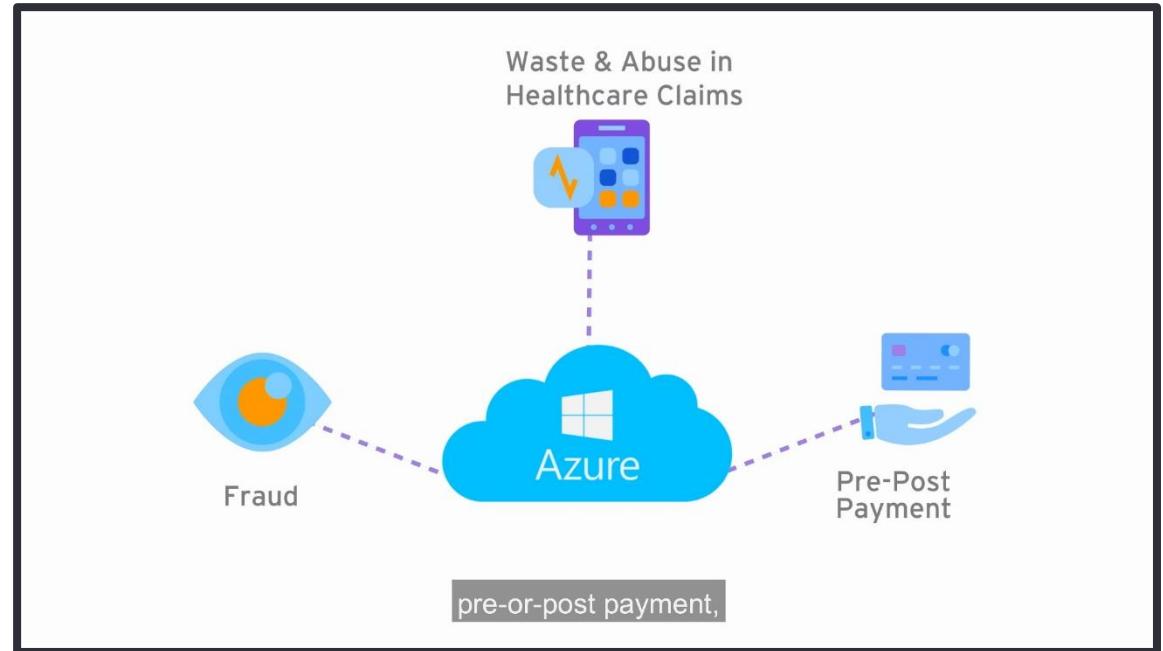
---

This application uses Azure SQL and leverages entire stack of Microsoft AI Cognitive Services on Microsoft AI Platform. Such solutions also disclose many unpredicted or unrelated data points which ultimately helps in identifying the red zones and bringing in improvement in services on pre-emptive front.



# Digitization & Automation in Healthcare Industry

One more example let us take from the insurance claims - CGI federal incorporate, a leading insurance claim settling company applied Azure Cloud Platform to reduce fraud, waste & abuse in healthcare claims, pre-or-post payment, with comprehensive Azure Cognitive Services using Microsoft AI-ML algorithms.



# Digitization & Automation in Healthcare Industry

---

Several advantages like lowering of bottom line, or improving workforce management, automatic (heuristic) decision making based on facts and data etc. drives the business towards the positive trend on profit margins. The governments in developed countries have started investing billions of dollars to progress the development of such applications since the healthcare is their responsibility.

## Advantages

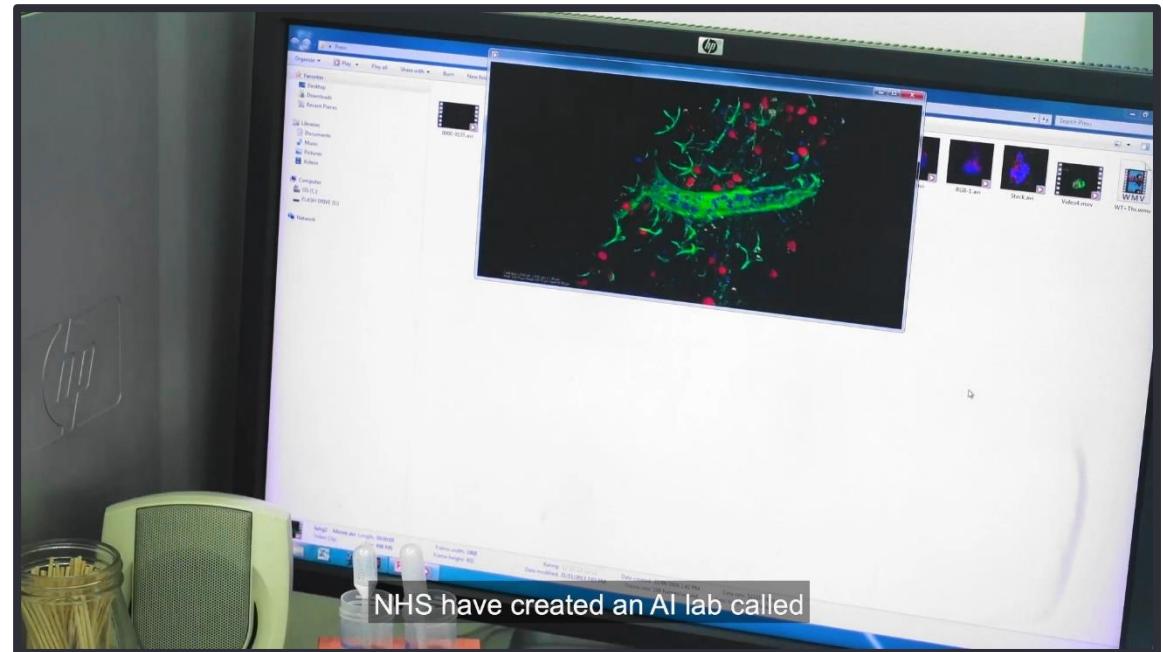
01 Lowering of bottom line

02 Improving workforce management

03 Automatic (heuristic) decision making

# Digitization & Automation in Healthcare Industry

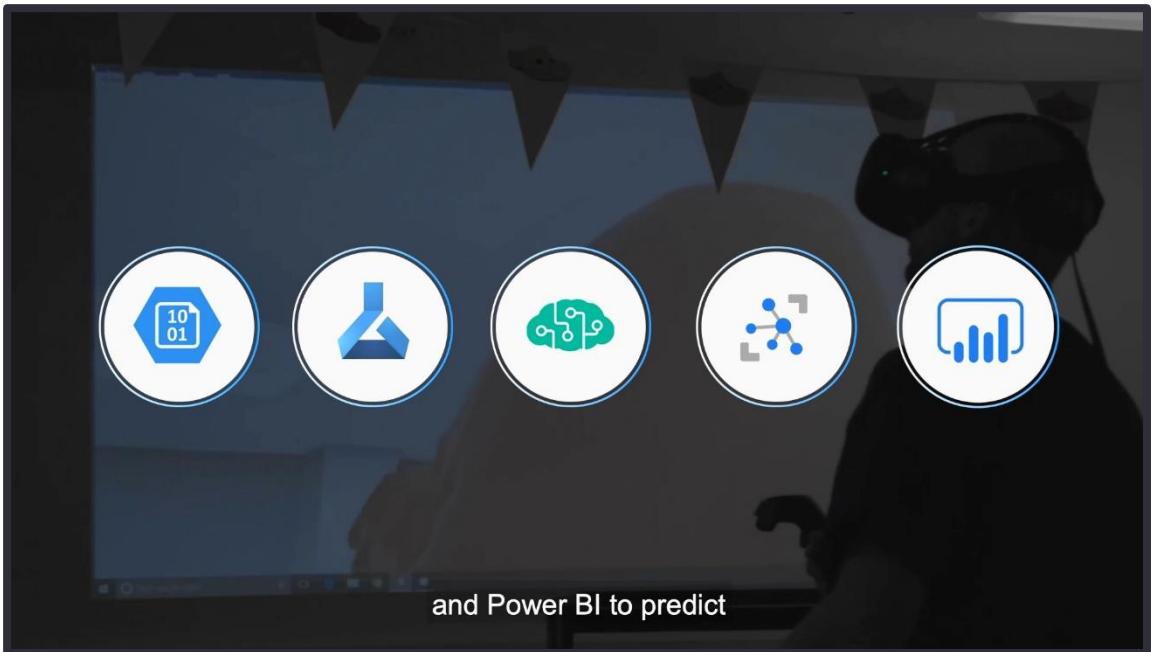
The British National Health Services NHS have created an AI lab called NHSX, using Microsoft Azure Architecture and its various components at different levels, accelerating the safe adoption of AI in health and care. NHSX have started several AI programmes like:



# Digitization & Automation in Healthcare Industry

---

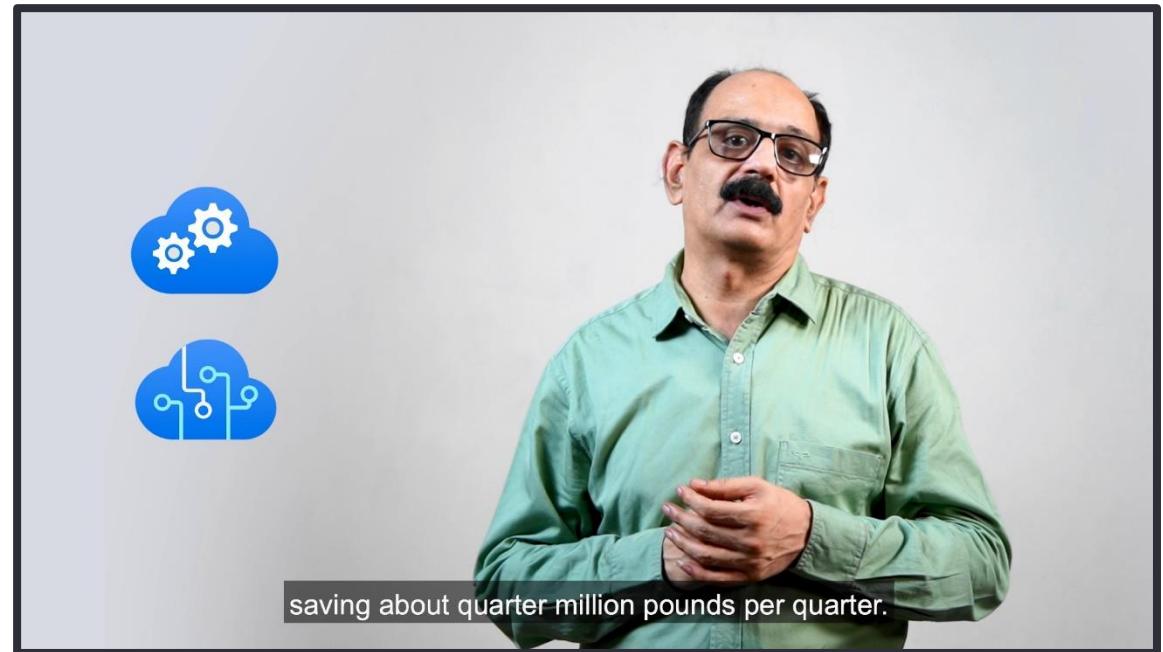
Predicting demand in a dynamic way Alder Hey Children's Hospital is one of Europe's biggest and busiest children's hospitals, serving for more than 100 years. In 2015, it opened a state-of-the-art hospital alongside a brand-new research, innovation and education centre, focusing on AI leveraging Azure Blob, Azure Machine Learning AI Cognitive Services, IoT, and Power BI to predict how many patients at different severity levels, how critically ill they are, and how many of them need admission that day.



# Digitization & Automation in Healthcare Industry

---

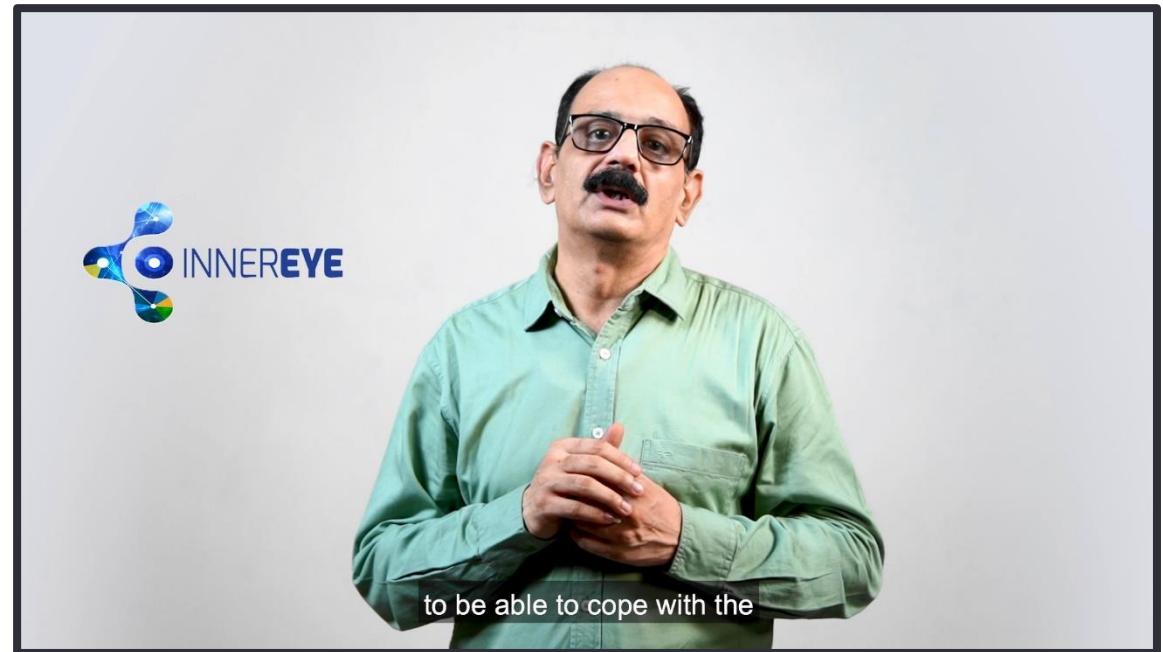
Another program reducing the time taken to process a GP referral is the first to appear on the platform. East Suffolk and North Essex NHS Foundation Trust (ESNEFT) using Azure Cloud Platform and Azure Cognitive Services saving about quarter million pounds per quarter.



# Digitization & Automation in Healthcare Industry

---

Third program is AI in imaging to support development of imaging technology, from mechanisms used to safely collect and share data of validating AI imaging software Microsoft InnerEye and make clinical productive to be able to cope with the growing demand on healthcare.



# Digitization & Automation in Healthcare Industry

---

The last point here is The National Strategy on AI in Health and Adult Social Care is to support equitable development on safe and effective AI-driven technologies at scale. NHS mental health services in IAPT Improving Access to Psychological Therapies uses Azure Cognitive Services and Power BI for reporting.

**The National AI in Health and Adult Social Care Strategy**

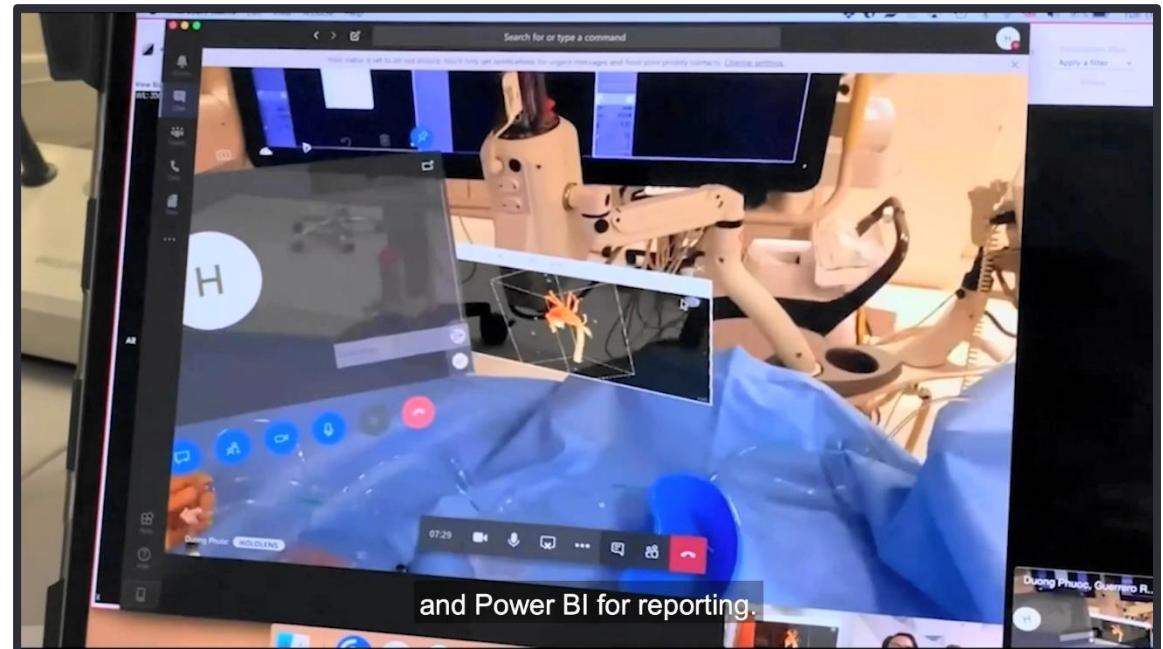
**The National Strategy on AI in Health**

# Digitization & Automation in Healthcare Industry

---

Let us now talk about two problem cases where we can practice these technologies.

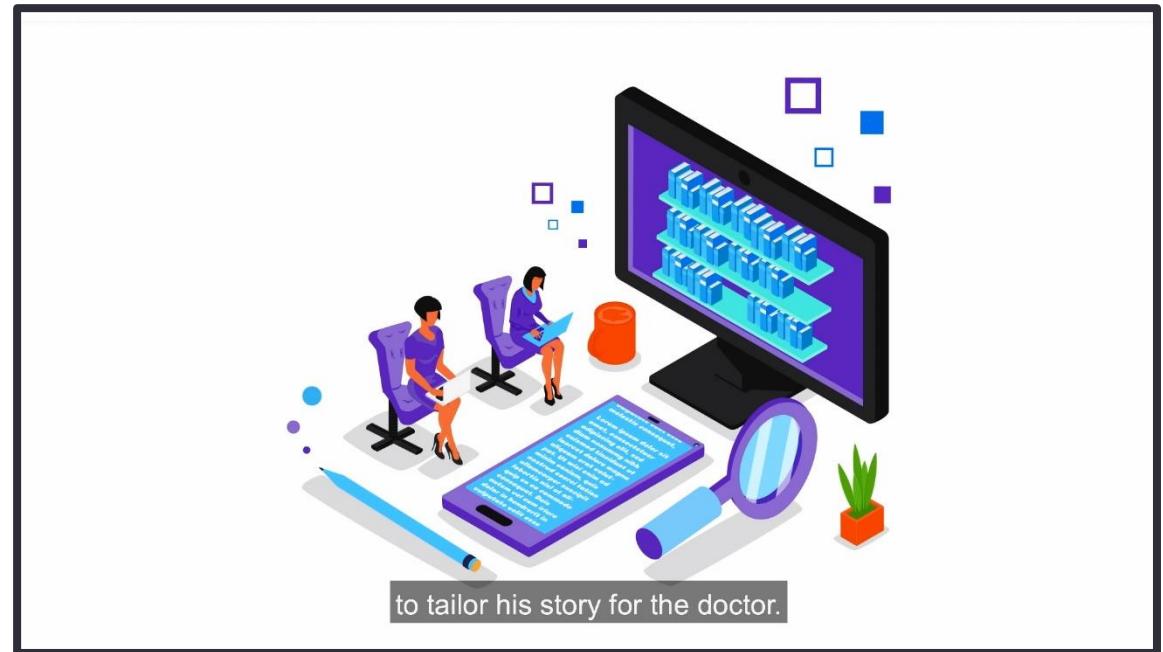
First problem Predictive Diagnosis



# Digitization & Automation in Healthcare Industry

---

A lot of information is available on net and the patient can very well educate themselves about the causes and symptoms of his ailment to tailor his story for the doctor. If the patient is visiting several doctors for the same ailment, he would have a perfectly improvised his story for the latest panel of doctors.

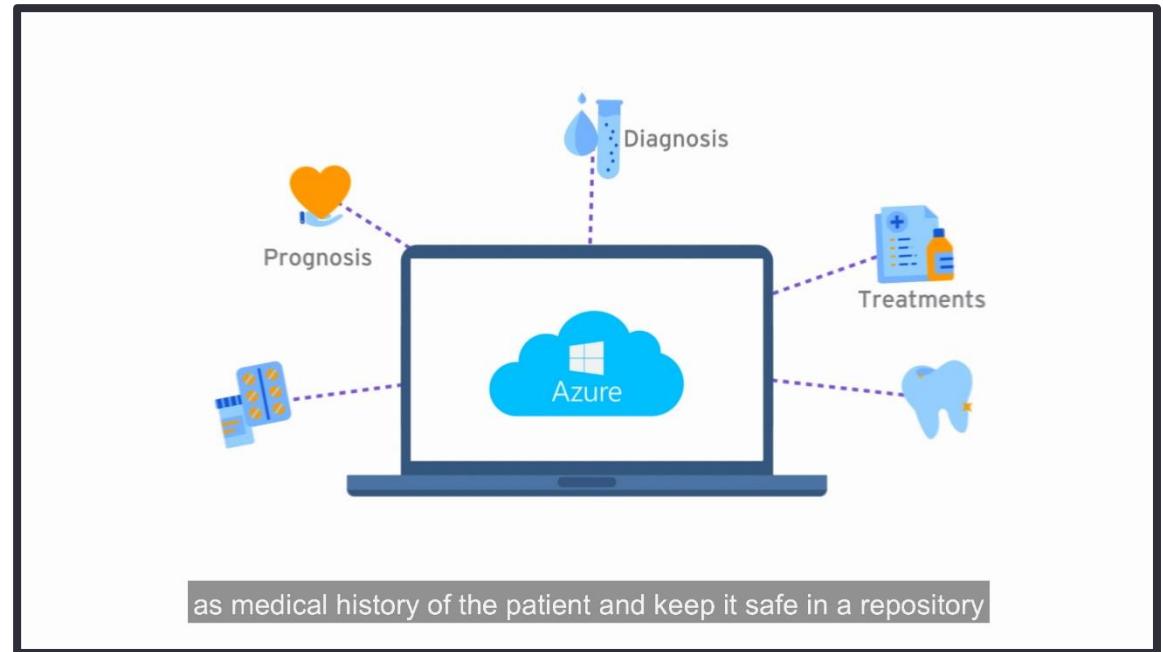


to tailor his story for the doctor.

# Digitization & Automation in Healthcare Industry

So, what is the solution for this?

Imagine, if we have a system using Azure Cloud Services which will record all such stories along with prognosis, diagnosis, and treatments as medical history of the patient and keep it safe in a repository in Azure Blob to be executed whenever the patient visits a doctor for the very same ailment or new a new one. Now there is no need of taking patient history, everything is on record and available to the doctor.



# Digitization & Automation in Healthcare Industry

Azure Cognitive Services using its Microsoft AI-ML algorithms will carry out deep analysis on the findings, dietary habits, social bad habits, various symptoms, test results, treatments etc as batch process leveraging Airflow on Azure for creating data workflows for accessing the data faster from the central repository.

The Microsoft AI-ML techniques executed on this huge medical history and performing analytics will predict the forthcoming diseases and can suggest particular tests to eradicate the possibilities or start the preventive treatment.



for accessing the data faster from the central repository.

# Digitization & Automation in Healthcare Industry

This way the patient will not undergo the painful path of suffering the disease. This will, avoid or at least reduce drastically, the attacks of life-threatening emergencies. Another advantage to realise is the emergency treatment in an emergency case. Most of the time the staff in emergency unit spends in finding out the basic drug allergies and ruling out the possibilities of few life-threatening ailments. All this information will be readily available on the keystrokes.

Let us collect the advantages



# Digitization & Automation in Healthcare Industry

First, we will have the flexible and scalable Azure Cloud Architecture

Second, enormous data produced for each patient is stored in Azure Blob. Better Insights about the patients' health with the heuristic analysis on the data leveraging Azure Cognitive Services.

Transparency and uniformity in medical records including dietary and bad habits of the patients, so that the patient cannot hide information and will get correct treatment faster.

## Predictive Diagnosis Solution Advantages

- 01 Flexible and scalable Azure Cloud Architecture
- 02 Enormous data produced for each patient
- 03 Better Insights about the patient's health
- 04 Transparency and uniformity of medical records

## Predictive Diagnosis Solution Advantages

- 05 Efficient data access through data flows
- 06 Ensures accuracy on diagnosis
- 07 Reduction in risk of losing life

Reduction in risk of losing life

# Digitization & Automation in Healthcare Industry

---

Efficient data access through data flows through Airflow on Azure

Ensures Accuracy on diagnosis, helpful to all entities patients, doctors, and healthcare units. Reduction in risk of losing life So, what are the benefits to the business? It lowers the bottom line that is the operational cost,

Increases the top line which is Revenues or Profits, And also mitigates the risk.

## Benefits to the Business

01 Lower the bottom line - Operational Cost

02 Increase the top line - Revenues / Profits

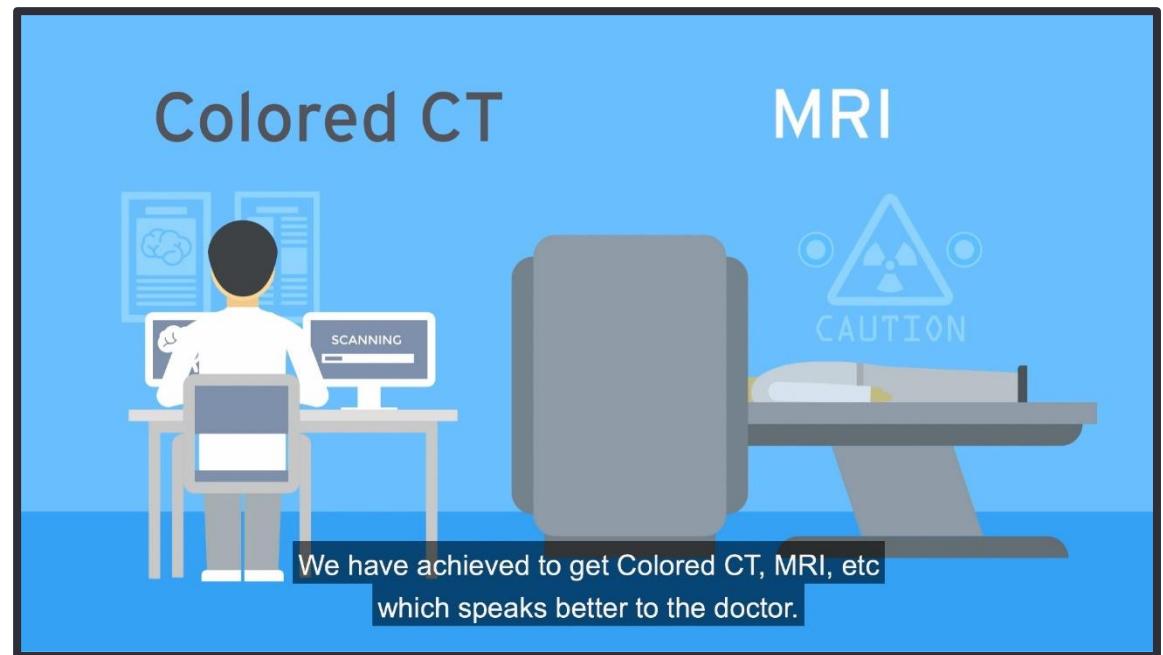
03 Risk mitigation

# Digitization & Automation in Healthcare Industry

The second problem to consider here is "Advanced Imaging System"

## Current Scenario

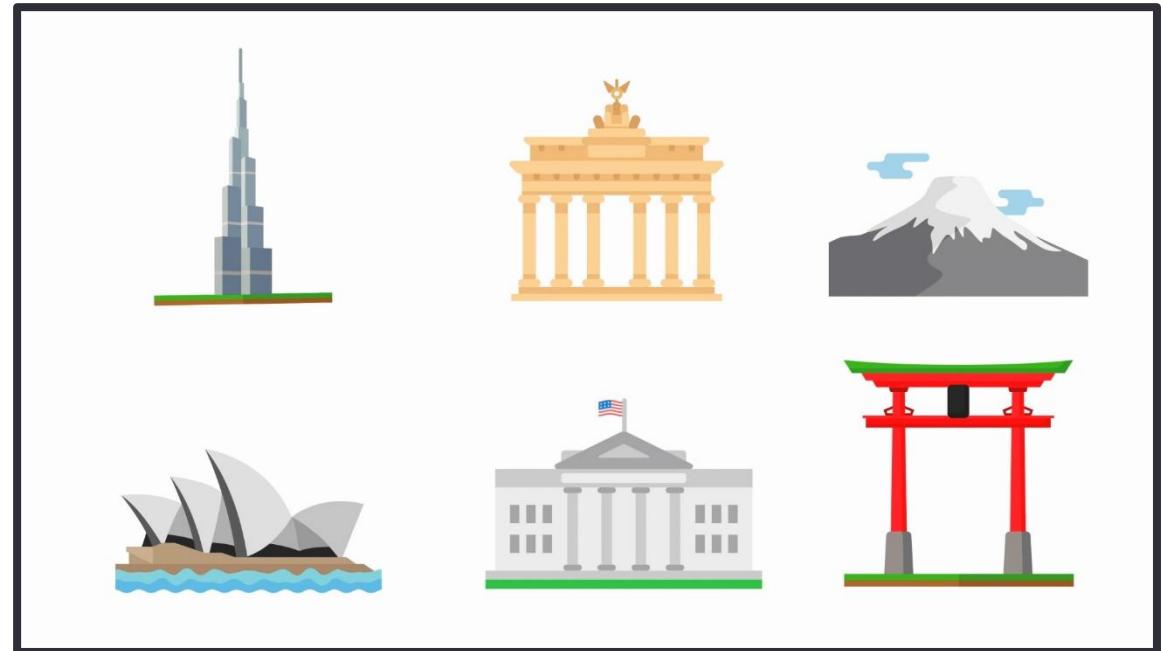
The imaging technology has advanced in itself using various means to create images of the internal body parts. We have achieved to get Coloured CT, MRI, etc which speaks better to the doctor.



# Digitization & Automation in Healthcare Industry

---

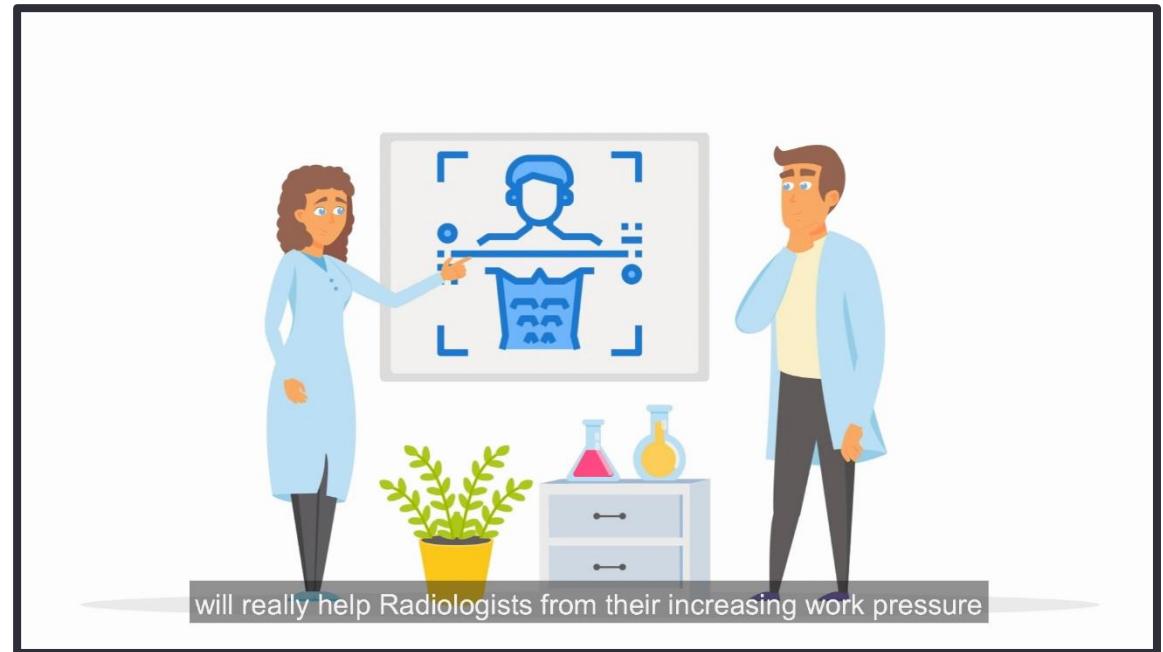
Several developed countries are using AI Analytics over these scans to get reported on many things which were otherwise calculated like bone density.



# Digitization & Automation in Healthcare Industry

---

The radiologists, across the world, are under increasing work pressure because such scans are becoming mandatory by any of the system. A solution which can read and analyse these scans will really help Radiologists from their increasing work pressure and they can be utilized in other beneficial manner like diagnosis or research on the findings.

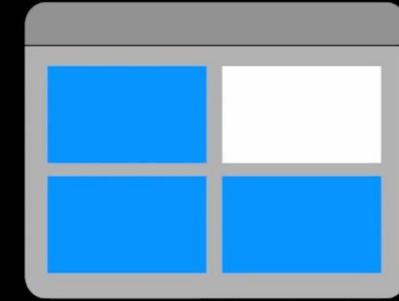


# Digitization & Automation in Healthcare Industry

---

So, what is the solution for it?

Azure Cloud Services in conjunction with Azure DevOps are used to provide a scalable platform which required computing power and storage area to store these digital images. All these scans, if not digital, can be digitized and stored on Azure Blob, safely and securely leveraging.



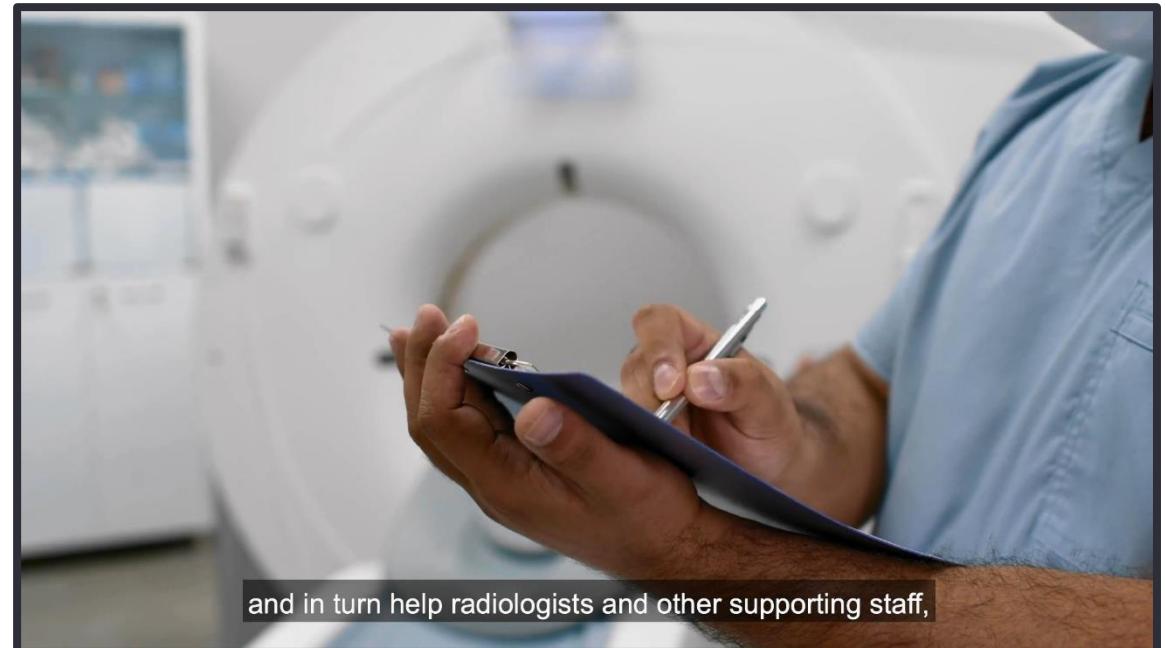
**Azure blob storage**

# Digitization & Automation in Healthcare Industry

---

Azure Security and industry compliance. Azure Cognitive Services using Microsoft AI-ML algorithms is set to have big impact on this imaging market and in turn help radiologists and other supporting staff, in reducing their time to report on usual findings, faster diagnostic scan time and more accurate diagnosis.

So, what are the advantages of this solution?



and in turn help radiologists and other supporting staff,

# Digitization & Automation in Healthcare Industry

The radiologists can be relieved from work pressure Azure cognitive services can detect anomalies on comparison of various variety of scans which is quite unimaginable manually Efficient data access through data flows on airflow on Azure And ensures accuracy on diagnosis helpful to all entities patients, doctors even healthcare units and Finally the reduction in risk of losing life Again the benefits to the business,

## Imaging Technology Solution Advantages

- 01 Radiologists can be relieved from work pressure
- 02 Azure Cognitive services detects anomalies on comparison of a variety of scans
- 03 Efficient data access through data flows on Airflow on Azure

efficient data access through data flows on airflow on Azure

## Imaging Technology Solution Advantages

- 04 Ensures Accuracy on diagnosis
- 05 Reduction in Risk of losing life

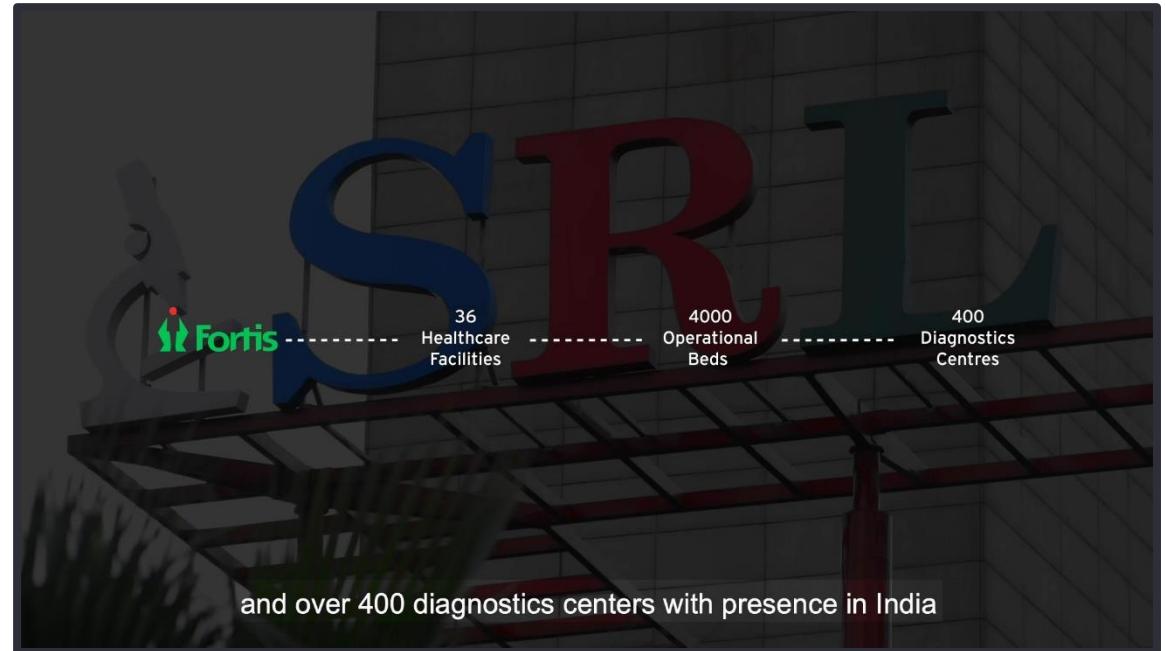
# Digitization & Automation in Healthcare Industry

---

Now we take a look at how public Cloud Powers the business transformation

Fortis Healthcare Limited is one of the largest Integrated Health Care Services provider in India with 36 healthcare facilities, 4000 operational beds and over 400 diagnostics centres with presence in India, UAE and Sri Lanka.

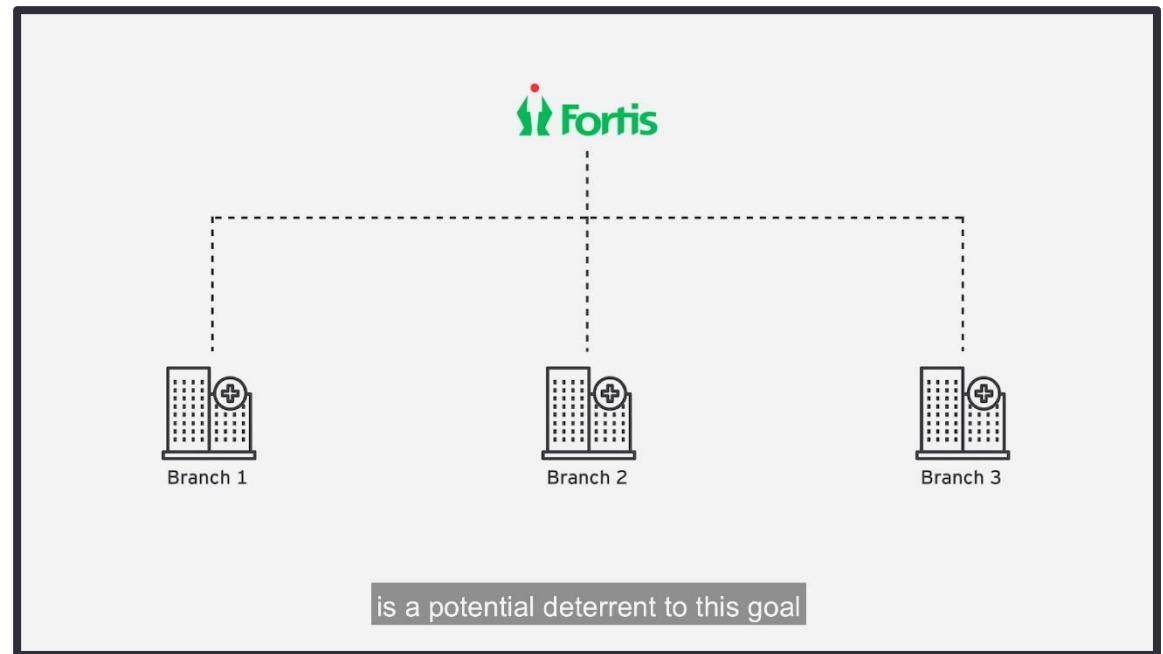
While Fortis Healthcare envisioned to ensure a uniform experience to their patients.



# Digitization & Automation in Healthcare Industry

Fortis realized that its highly distributed fragmented and localized IT setup is a potential deterrent to this goal. With each hospital running its own on-premise ERP, Fortis was unable to provide a seamless and uniform patient experience across its hospitals, like inability in sharing patient records or a newly developed application would take months to be deployed on-premises at each of the hospitals.

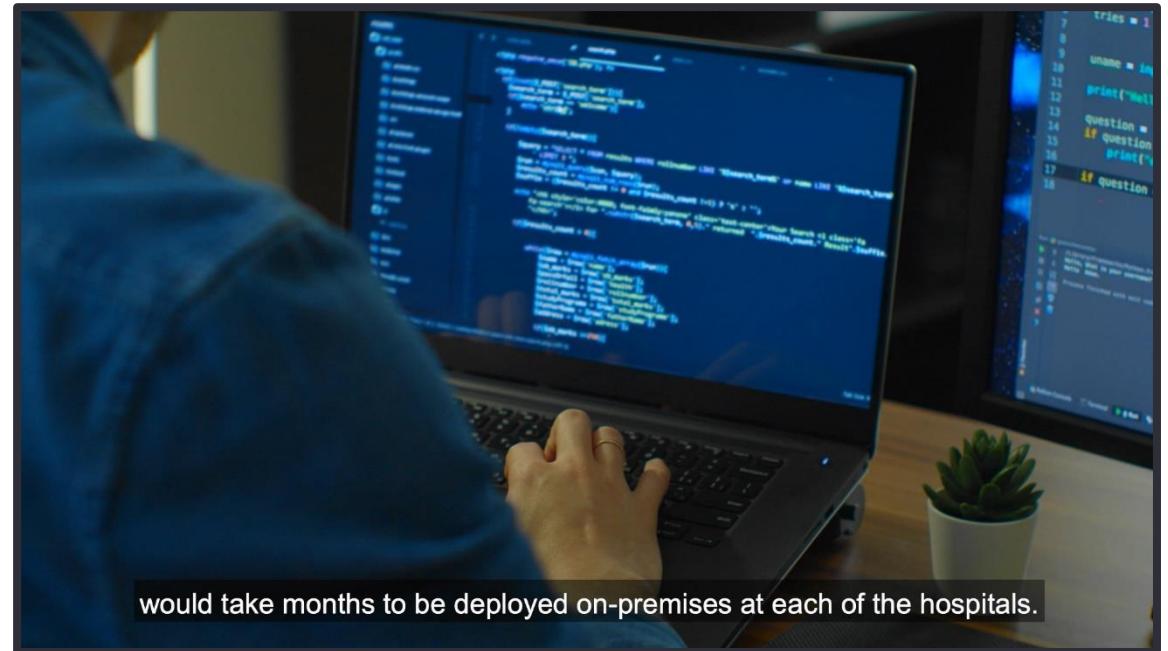
Fortis needed an effective, centralized IT infrastructure that is scalable, flexible, adaptive and secure.



# Digitization & Automation in Healthcare Industry

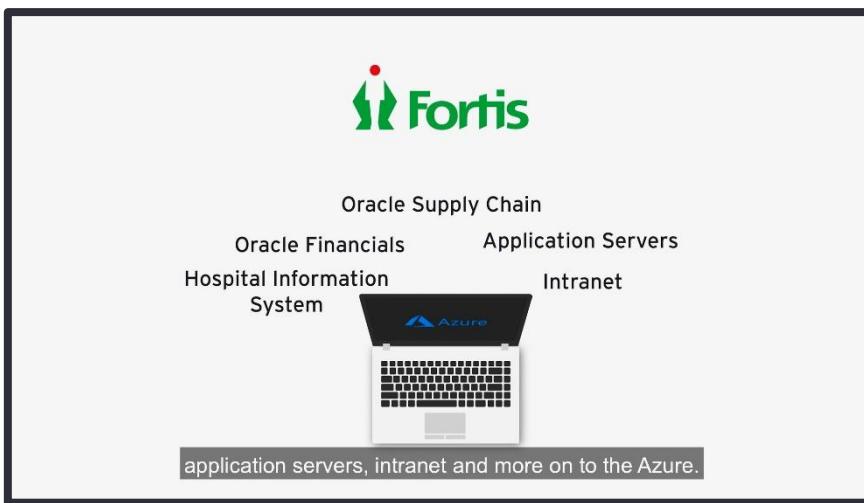
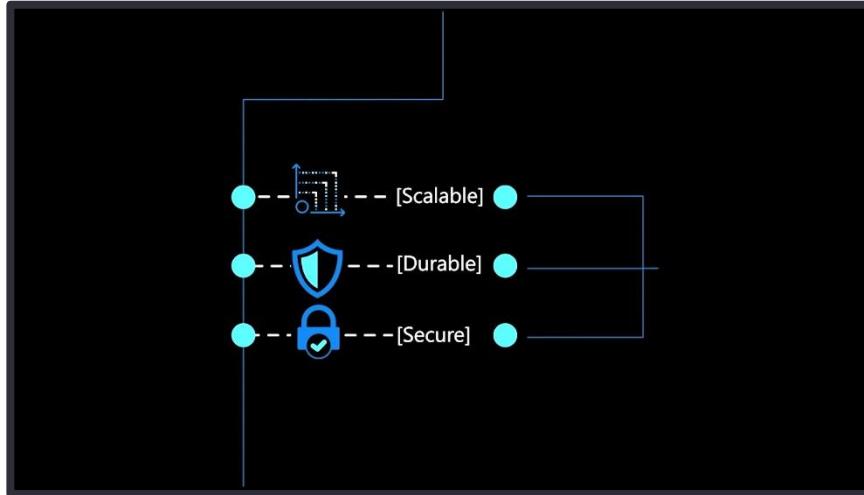
Microsoft Azure Infrastructure as a Service was identified platform which offered managed infrastructure and services, while bringing in the desired agility.

Fortis concluded that, owing to the high costs associated with maintaining the desired security a public cloud would offer better security than the on-premise infrastructure.



# Digitization & Automation in Healthcare Industry

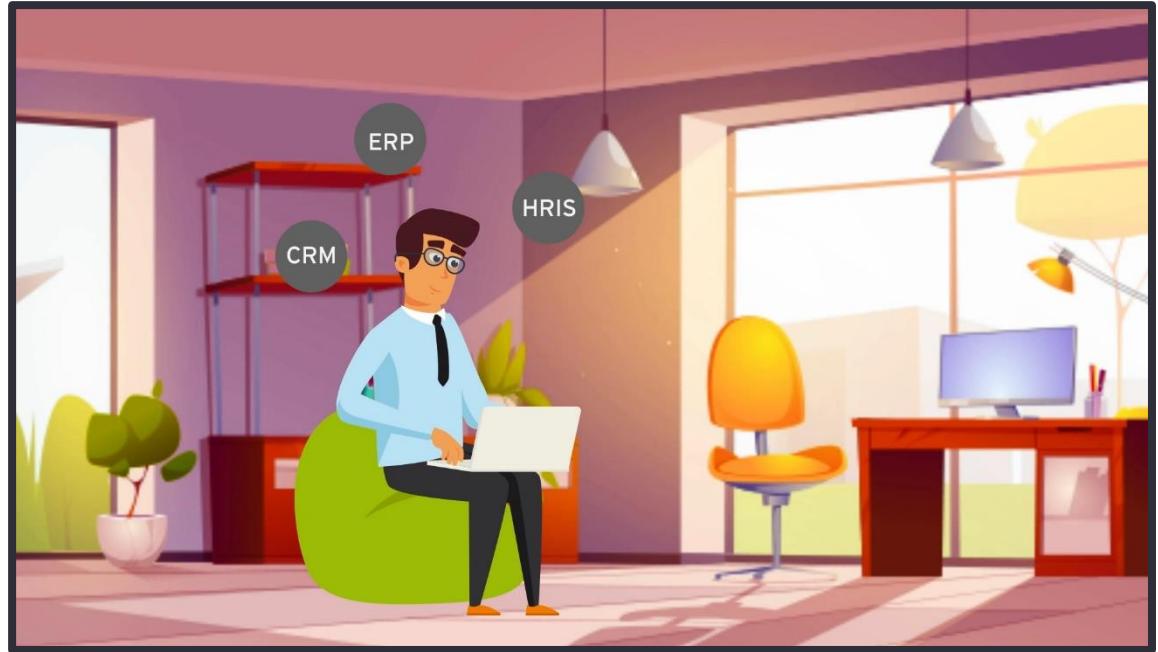
Fortis Healthcare, cognisant of the risk and a big commitment to a cloud service provider started moving all their applications, ranging from Hospital Information System (HIS) to Oracle Financials, Oracle Supply Chain, application servers, intranet and more on to the Azure. application servers, intranet and more on to the Azure. Today, IT has started playing a leadership role Today, IT has started playing a leadership role in bringing business initiatives to life.



# Digitization & Automation in Healthcare Industry

---

As business managers took ownership of line-of-business applications Such as CRM, ERP, and HRIS, Fortis management gained a better perspective to IT investments that deliver business goals.

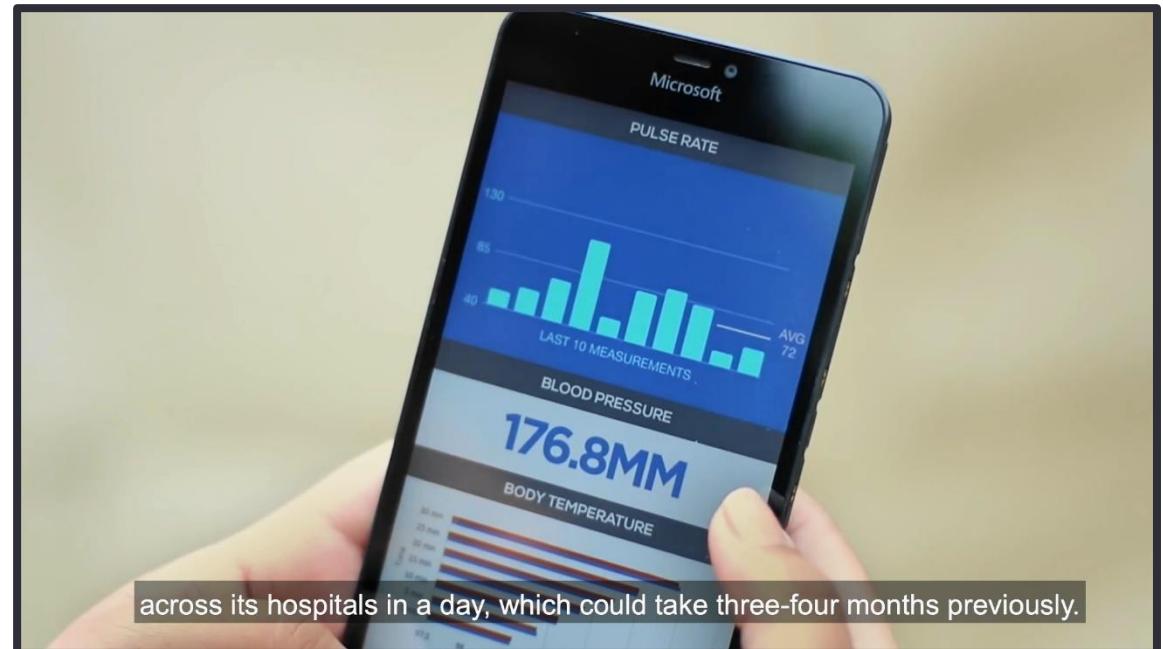


# Digitization & Automation in Healthcare Industry

Microsoft Azure helped them reduce the complexity and long lead times in testing and deploying new applications.

For example Fortis launched its Patient Care Portal across its hospitals in a day, which could take three-four months previously.

Similarly, they saw a 50 percent reduction of the total cost of ownership, due to lower acquisition cost and significantly lower infrastructure management needs.



# Digitization & Automation in Healthcare Industry

---

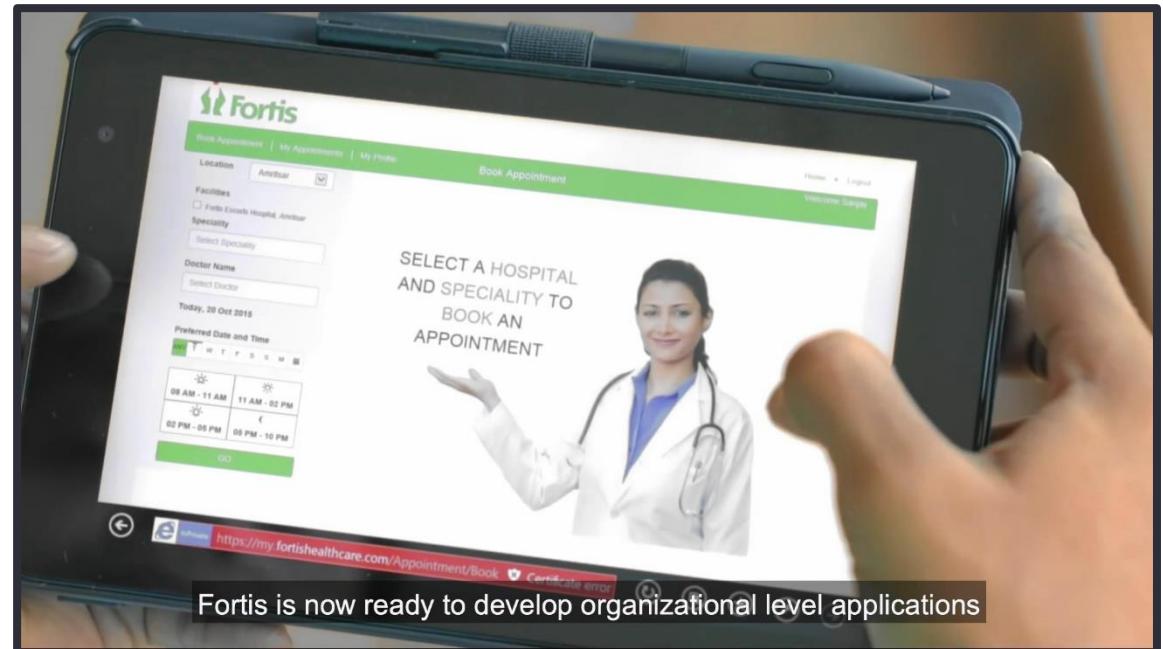
Every Fortis hospital now reports better patient care experience, even with the increase in transaction volume. Fortis Healthcare's decision to embark the cloud journey was primarily driven to make them nimble enough to scale and optimize based on the changing business requirements.



# Digitization & Automation in Healthcare Industry

The ability to pay based on the resources used helped them to optimize the cost.

Fortis is now ready to develop organizational level applications on to public Cloud and they are also considering Data Analytics and Predictive Healthcare.



# Digitization & Automation in Healthcare Industry

---

Let me take you through how New South Wales Health Pathology implemented a large scale digital health platform with Azure Cosmos DB at the centre are leveraging Azure Data Platform to modernize and streamline their operations.



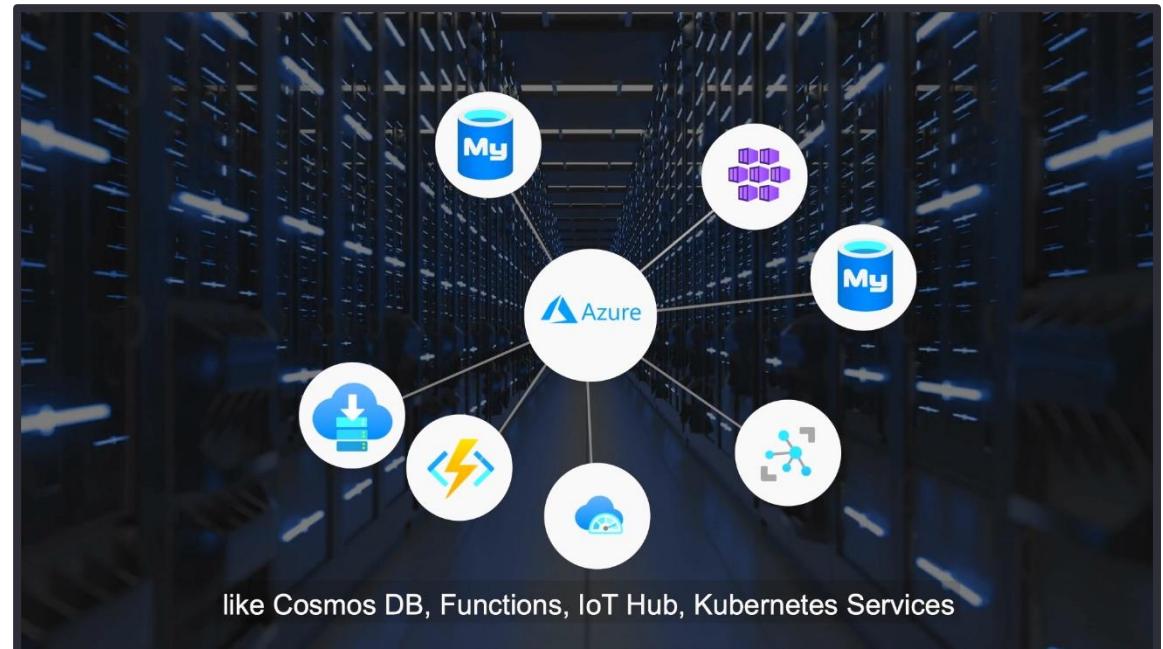
Let me take you through how New South Wales Health Pathology

# Digitization & Automation in Healthcare Industry

They used a host of Azure services like Cosmos DB, Functions, IoT Hub, and Kubernetes Services

The monitor, Service Bus, and the SQL DB, etc. All of these services seamlessly integrate to provide a streamlined data platform.

NSW Health Pathology provides pathology services for diagnosing and managing patient illness quickly and effectively.



like Cosmos DB, Functions, IoT Hub, Kubernetes Services

# Digitization & Automation in Healthcare Industry

---

Servicing a large geography required 60 labs and 238 collection centres to manage hundreds of millions of test results every year for over 8 million people.

NSW Health Pathology wanted to modernize its technology to enable the staff to provide access to quality care across both metropolitan and the rural areas.



60 labs and 238 collection centers

# Digitization & Automation in Healthcare Industry

---

The organization needed a scalable, flexible, and secure solution for state-wide health diagnostics information.

Most healthcare providers were still using massively, expensive on-premises solutions.

While NSW Health Pathology was transitioning from five different pathology organizations into a single modernized digital healthcare platform.

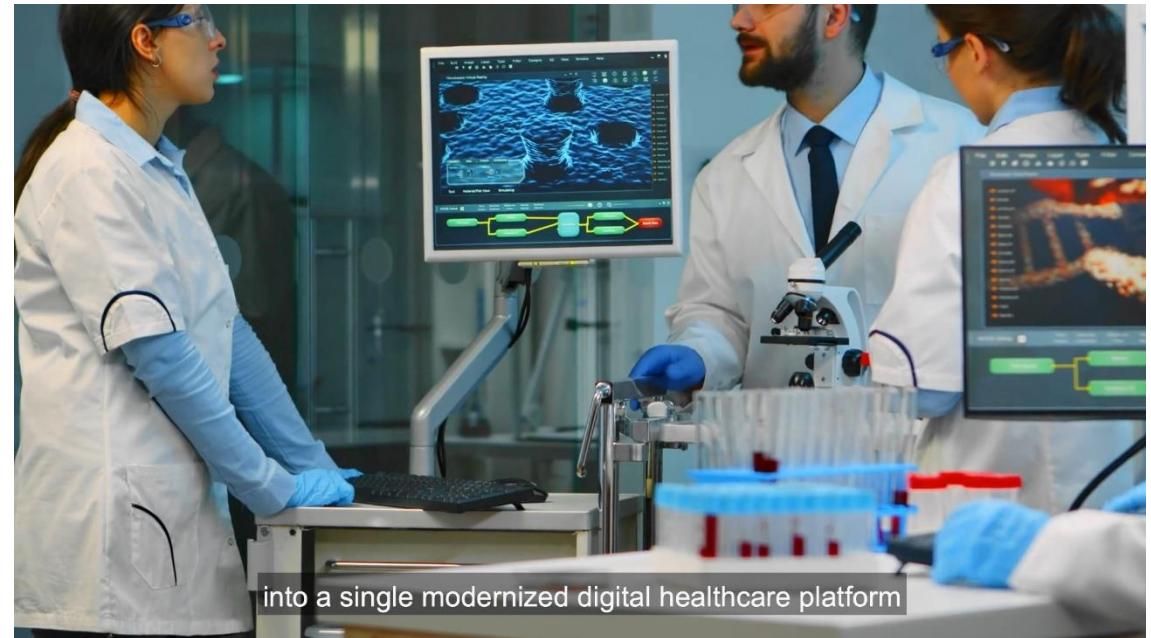


# Digitization & Automation in Healthcare Industry

---

Hence, NSW did not have an option to use the existing outdated technology and decided to leverage the Microsoft Azure Cloud Platform.

Doctors needed comprehensive catalogue of diagnostic tests to make informed clinical decisions and reach accurate diagnosis quickly.



# Digitization & Automation in Healthcare Industry

---

NSW Health Pathology employed Azure's data platform to streamline these systems to support many new initiatives.

To name a few NSW leveraged the cloud with benefits like scalability, fast global access, global redundancy, cloud security, and compliances.

Microsoft Azure Service Bus was identified as a leading pass messaging provider and as the most established NoSQL for handling JSON documents which were natively supported by FHIR.

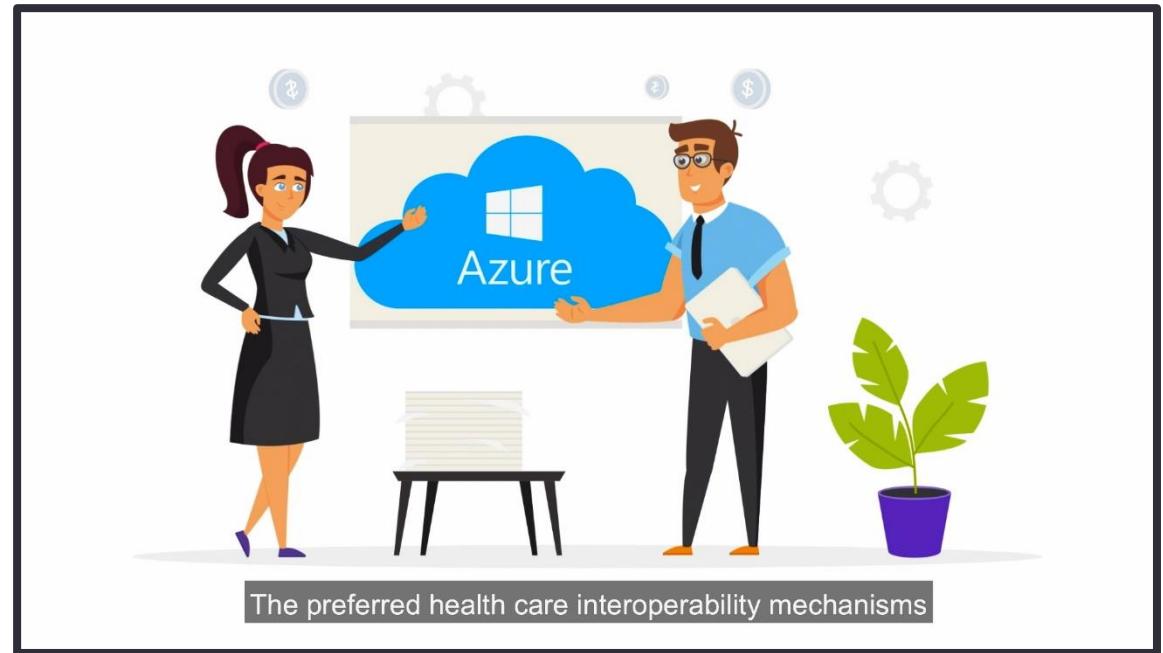


which were natively supported by FHIR

# Digitization & Automation in Healthcare Industry

---

The preferred health care interoperability mechanisms which was one of the most important factors for the choice of Azure. Azure Cosmos DB API for MongoDB played an important role in the architecture to translate legacy healthcare messaging to new FHIR standard and make it accessible at scale.



The preferred health care interoperability mechanisms

# Digitization & Automation in Healthcare Industry

Using the inherent capability message from various standards were converted into FHIR resources within Azure Cosmos DB.

The organization created modern digital assets that were used across all its solutions while delivering a focus on compliance and security.



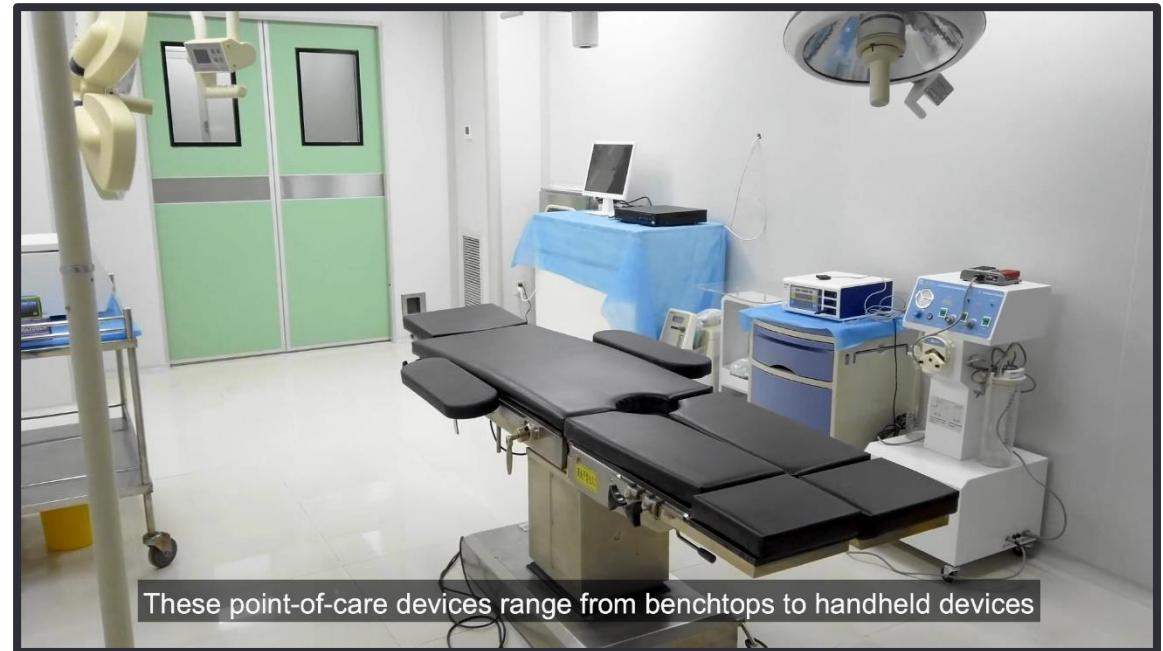
The organization created modern digital assets that were used

# Digitization & Automation in Healthcare Industry

An IoT capable point-of-care testing solutions were critical for organization's ongoing mission to deliver consistent quality care.

Experts within NSW's Health Pathology clinical streams like doctors and clinicians can be called on to evaluate an instrument for its fit to purpose in a given clinical context.

These point-of-care devices range from benchtops to handheld devices with consumable media.



# Digitization & Automation in Healthcare Industry

---

Now clinicians can request new device evaluation to ensure the devices fit for the purpose for a particular test to deliver a level of quality and reliability.

IoT devices are generally spread across various geographies.



IoT devices are generally spread across various geographies.

# Digitization & Automation in Healthcare Industry

By using Azure IoT Hub, these devices can be deployed anywhere and activated centrally & quickly.

The devices run in to containerized environments known for portability.

Securely communicating with all these devices, these instruments push information and software updates, to the entire device network.

NSW's IoT framework includes Microsoft Azure IoT Hub, Azure Service Bus, Microsoft Azure Functions and more allows NSW Health Pathology to apply algorithmic health care in real time at the point of care.

## NSW IoT Framework



Microsoft Azure  
IoT Hub



Azure Service  
Bus



Microsoft Azure  
Functions

Azure Service Bus, Microsoft Azure Functions

# Digitization & Automation in Healthcare Industry

---

Doctors have more robust processes for knowing if a patient is experiencing early signs of life-threatening sepsis before visible symptoms appear allowing for faster treatment with proactive and more precise diagnostics.



Microsoft Azure  
Kubernetes Service



Microsoft Azure  
SQL



Microsoft Azure  
Monitor



IoT Hub

Microsoft Azure Monitor, IoT Hub

# Digitization & Automation in Healthcare Industry

---

NSW used Microsoft Azure Cosmos DB with services, such as Microsoft Azure Kubernetes Services, Microsoft Azure SQL, Microsoft Azure Monitor, IoT Hub to quickly store large volumes of real public health data from across its solution in a single database.



from across its solution in a single database.

# Digitization & Automation in Healthcare Industry

---

## Summary

NSW brought operational effectiveness with the modernized data platform, NSW can expand quickly by reusing their data with Azure Cosmos DB at the centre.

Whether it's a new mobile app to enable doctors to access patient test results or the ability for clinicians to monitor patients remotely.

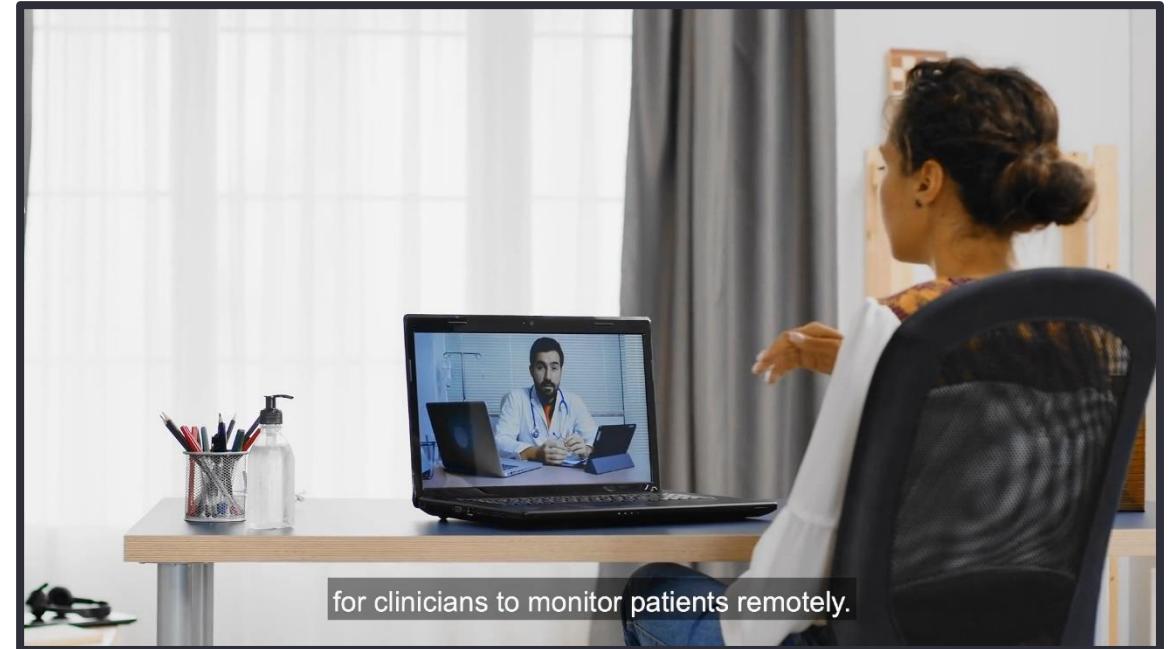


with Azure Cosmos DB at the center.

# Digitization & Automation in Healthcare Industry

---

NSW Health Pathology can deploy new solutions and innovations with a single set of micro service-oriented Azure Cosmos DB database at the core.



# Digitization & Automation in Healthcare Industry

---

Microsoft Azure is helping to provide better health experiences and outcomes.

Azure is helping enable enriched clinical analytics to flow securely through every point of care at continuously improving your patient's experience and the health outcomes.

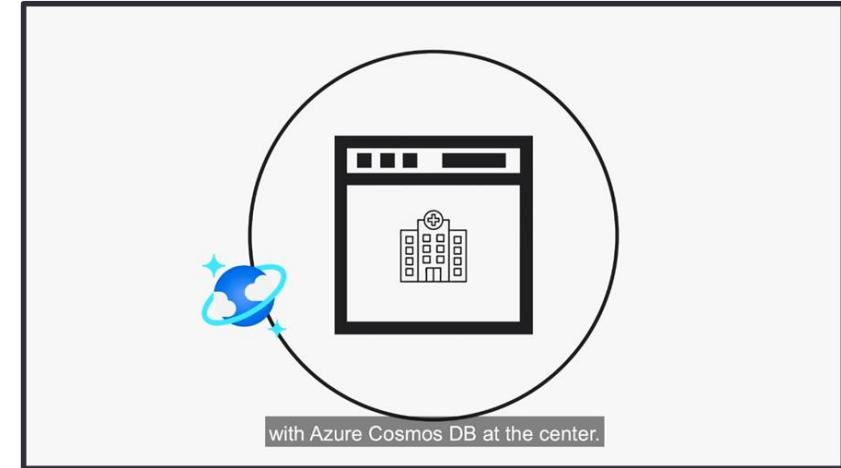


# Digitization & Automation in Healthcare Industry

---

With high levels of security and trust, the hospitals are rapidly meeting clinical demands using verified credentials.

Hospitals are building large-scale digital health platforms with Azure Cosmos DB at the centre.



# Digitization & Automation in Healthcare Industry

---

These are just few examples, there are immense possibilities when you use your Microsoft Azure services.

Now I will leave you with additional resources which will point you to learnings on how Microsoft Azure is helping the healthcare industry.

There are videos, there are links, and there are reference materials to enhance your experience.



With high levels of security and trust,

# Digitization & Automation in Healthcare Industry

---

## CALL TO ACTION

### Read:

Democratizing AI - For every person and every organization  
<https://news.microsoft.com/features/democratizing-ai/>

Microsoft Bot Framework  
<https://dev.botframework.com/>

Azure Cognitive Services - Deploy high-quality AI models as APIs  
<https://azure.microsoft.com/en-in/services/cognitive-services/>

### Visit:

Project InnerEye - Democratizing Medical Imaging AI  
<https://www.microsoft.com/en-us/research/project/medical-image-analysis/>

Azure Logic Apps (Azure iPaaS) - Quickly build powerful integration solutions  
<https://azure.microsoft.com/en-in/services/logic-apps/>

### Learn:

Azure for Healthcare  
<https://azure.microsoft.com/en-in/industries/healthcare/>

Ernst & Young Associates LLP

**EY** | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. Information about how EY collects and uses personal data and a description of the rights individuals have under data protection legislation are available via [ey.com/privacy](http://ey.com/privacy). EYG member firms do not practice law where prohibited by local laws. For more information about our organization, please visit [ey.com](http://ey.com).

Ernst & Young Associates LLP is one of the Indian client serving member firms of EYGM Limited. For more information about our organization, please visit [www.ey.com/en\\_in](http://www.ey.com/en_in).

Ernst & Young Associates LLP, is a Limited Liability Partnership, registered under the Limited Liability Partnership Act, 2008 in India, having its registered office at 22 Camac Street, 3rd Floor, Block C, Kolkata - 700016

© 2021 Ernst & Young Associates LLP. Published in India.  
All Rights Reserved.

This publication contains information in summary form and is therefore intended for general guidance only. It is not intended to be a substitute for detailed research or the exercise of professional judgment. Neither EYGM Limited nor any other member of the global Ernst & Young organization can accept any responsibility for loss occasioned to any person acting or refraining from action as a result of any material in this publication. On any specific matter, reference should be made to the appropriate advisor.

