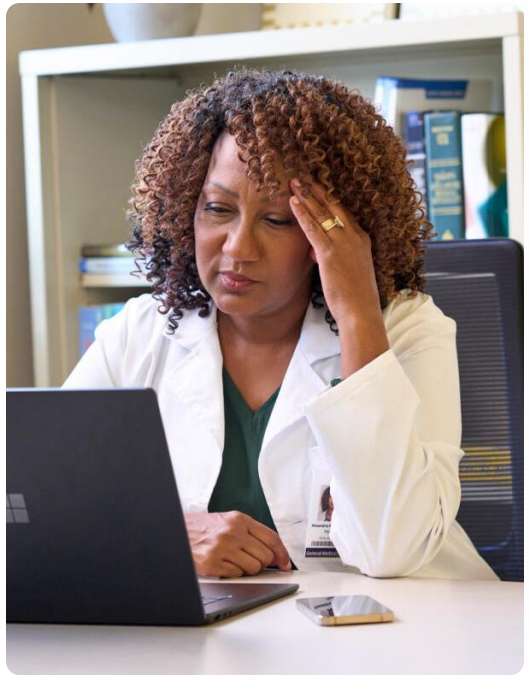
Microsoft

The Fundamentals of Generative AI & Healthcare

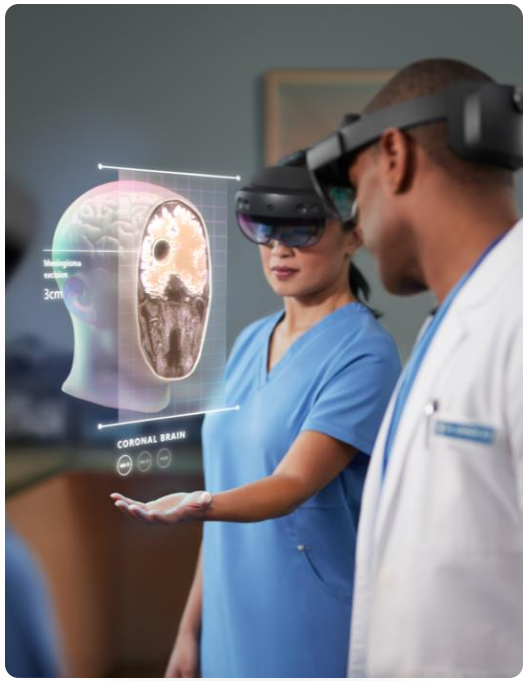
Healthcare is facing
significant change

Expectations are higher than ever



Workforces are becoming burned out

Data volume is increasing rapidly



Constant pressure to innovate

Addressing these pressures while lowering healthcare costs is a societal issue

Nuance Dragon Ambient eXperience (DAX) Copilot

DAX Copilot is an AI-powered, voice-enabled solution that relieves clinicians from administrative burden. It automatically documents patient encounters accurately and efficiently at the point of care with note delivery in seconds saving them time, which improves satisfaction, patient experiences, operational efficiencies, and financial outcomes.

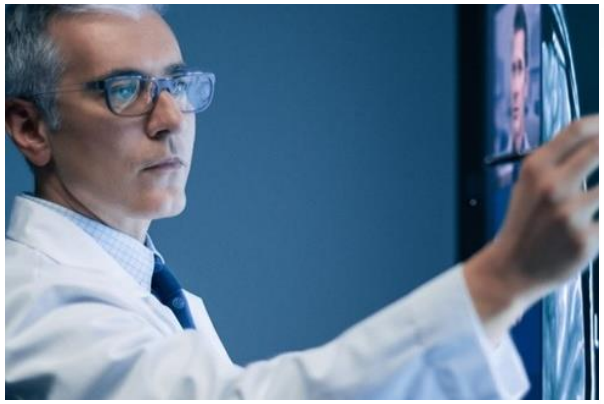
Benefits

- Fully automated note
- Reduces documentation burden
- Allow focus on patient during visit
- Increase time efficiency writing note

Explore new AI capabilities to empower patients and simplify medical jargon

Azure AI Health Insights

Help clinicians and researchers make more informed decisions with pre-built models that perform analysis and provide inferences to facilitate patient care



Azure AI Health Bot

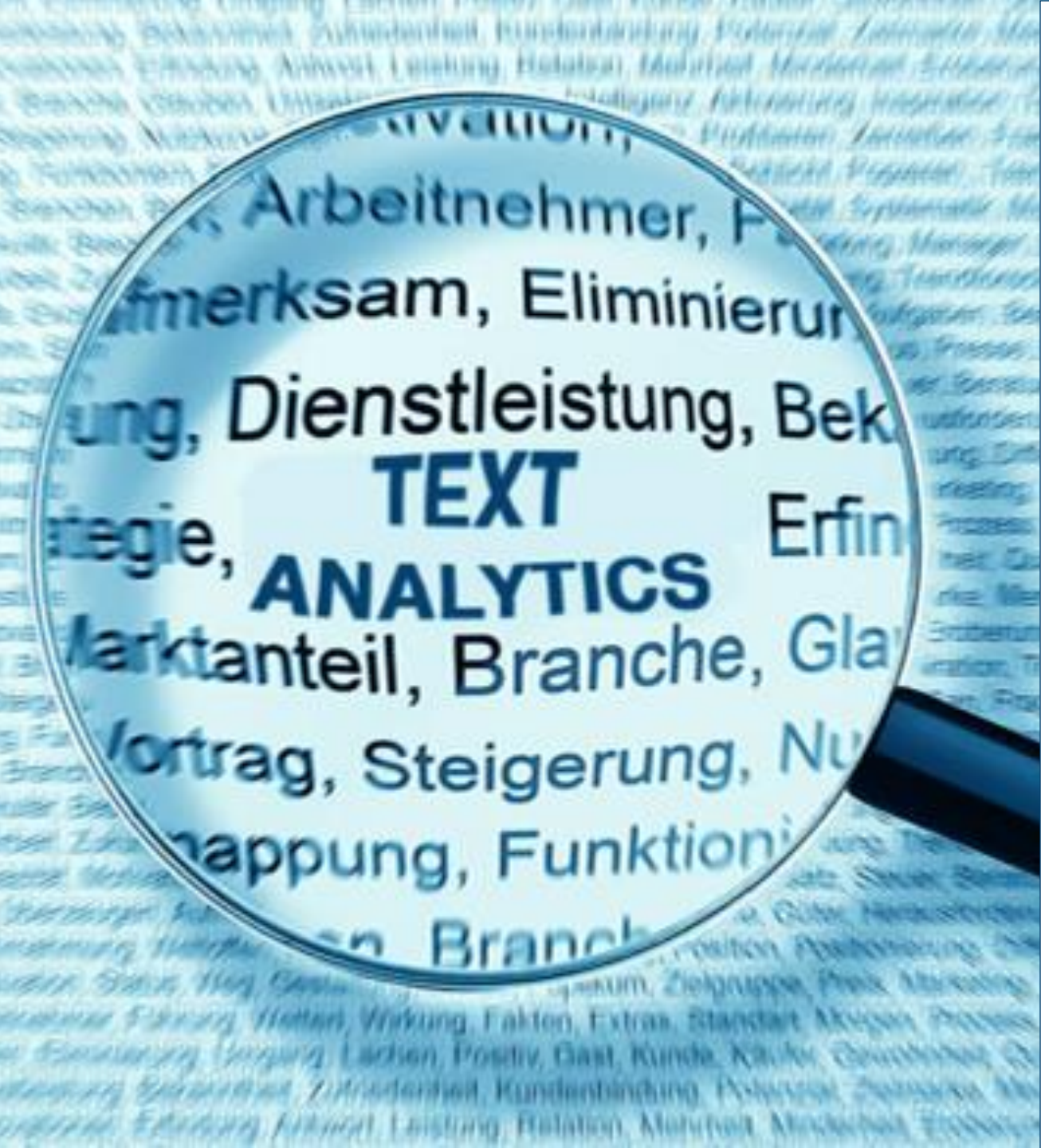
Bring generative AI to healthcare chatbots and virtual assistants with out-of-the-box healthcare intelligence—all customized and connected to your existing workflows

Text Analytics for Health

Apply machine learning intelligence to extract and label essential medical information from unstructured texts in seven languages

Powered by Azure AI services

The image and voice in this video are generated by AI, not recorded by real person.



Text Analytics for Health

- Powerful natural language processing - A Microsoft Cognitive Service that allows to analyze unstructured clinical data in multiple languages
- Analyzes clinical data - Extracts medical terms, relationships, assertions & clinical coding linking and structures into FHIR
- Integrates with other services - works seamlessly with all Azure platform services and supports FHIR interoperability.
- Enables a wide range of scenarios - including patient insights, clinical trials matching, predictive analytics, clinical coding, registries, medical publications knowledge mining, and decision support.

Learn more …

As new AI technology grabs headlines and captures imaginations for businesses and consumers alike, organizations have a unique opportunity to harness the power of AI to drive value faster in their own businesses, while giving them the opportunity to shape the future of every industry.

- Lead the AI era with the Microsoft Cloud - YouTube
- Announcing Project Health Insights Preview: Advancing AI for health data | Azure Blog and Updates | Microsoft Azure
- Extending Azure Health Bot with Azure OpenAI Service (microsoft.com)
- Microsoft M365 CoPilot
- KI-Tutorial für Unternehmen im Gesundheitswesen - Training | Microsoft Learn

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