

How Artificial Intelligence is Impacting Health Care

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Main Types of AI in Healthcare

- Machine Learning
- Natural Language Processing
- Rule-based Expert Systems
- Physical Robots
- Robotic Process Automation
- Diagnosis and Treatment Applications
- Patient Engagement and Adherence Applications
- Administrative Applications

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Machine Learning

X-Ray machines



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MRI testing



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CT Scans



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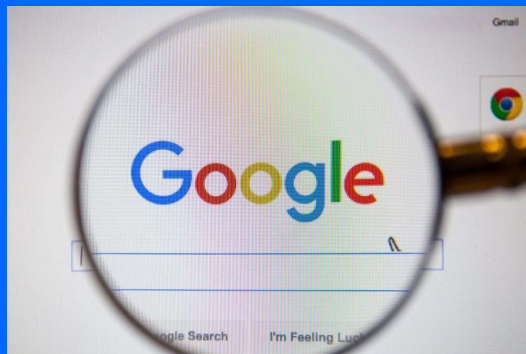
Internet Search Algorithms



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Natural Language Processing

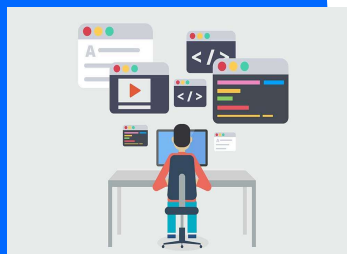
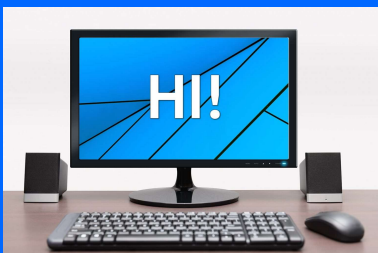
- Electronic Transcription Technology



Dictation.
Talking is the new typing.

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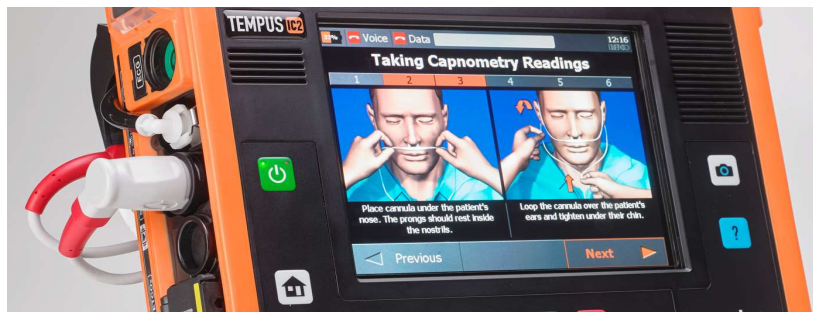
Computer processing algorithms
which create a predictive score
for what you are measuring or
interpreting



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Rules Based Expert Systems

- This is an AI rules model and is based on data inputs
 - It can determine a basic treatment protocol to utilize.
 - Telemedicine



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**Blood Pressure/Pulse machines found in gyms
and on our smart watches**

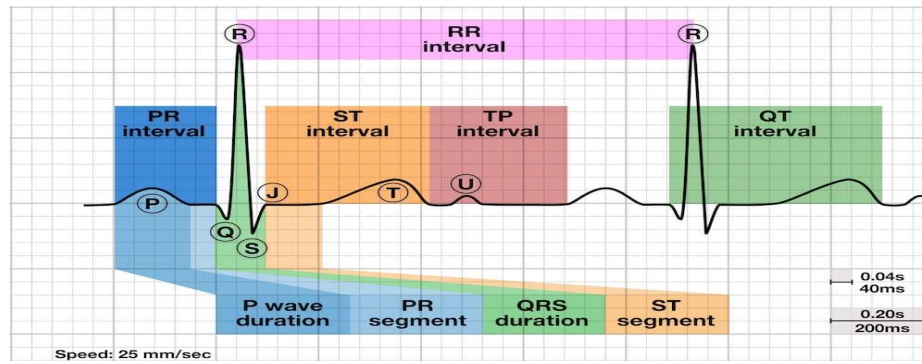


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EKG readings on our smart watches



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Sleep Health on our smart phones



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Physical Robots

- Surgical applications that assist in micro incisions to facilitate accuracy



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Robots deliver trays to
Resident rooms

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Robotic Process Automation

- Electronic managing of appointments



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Assembly lines for manufacturing medical supplies



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Diagnosis and Treatment Applications

- This system analyzes patient data and images to give a diagnosis and optimal treatment plan.
 - AI Chatbots

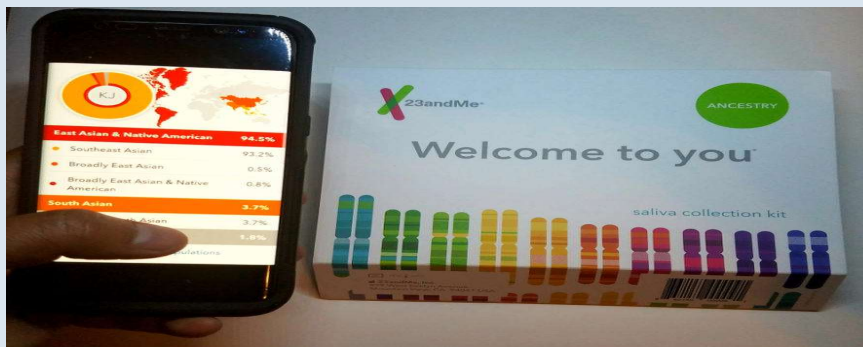


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Genetic Testing



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Exercise programs that are done virtually via app or programs such as “The Mirror” or “Peloton”



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Patient Engagement and Adherence Applications

Early Stages of Wii



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Oculus and Metaverse



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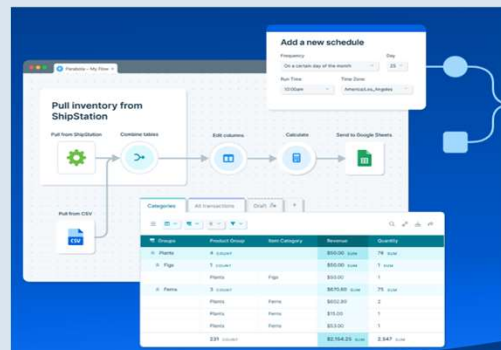


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Administrative Applications

Automate, visualize & optimize your inventory management

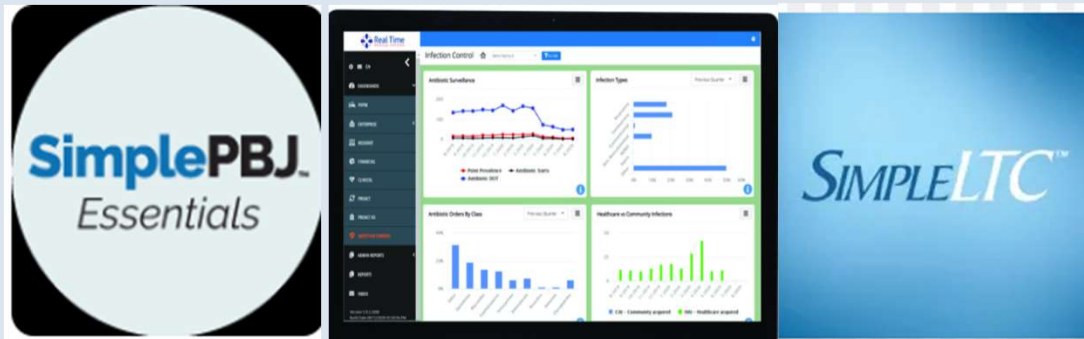


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Reviewing data before submissions to CMS



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Do the risks outweigh the benefits of AI in Healthcare?

- 1 Measure for bias in the AI system
- 2 Potential job loss of individuals
- 3 Explore opportunities of reskilling employees
- 4 Privacy and security of data and systems
- 5 Ensuring your network is prepared to handle the new technology being considered

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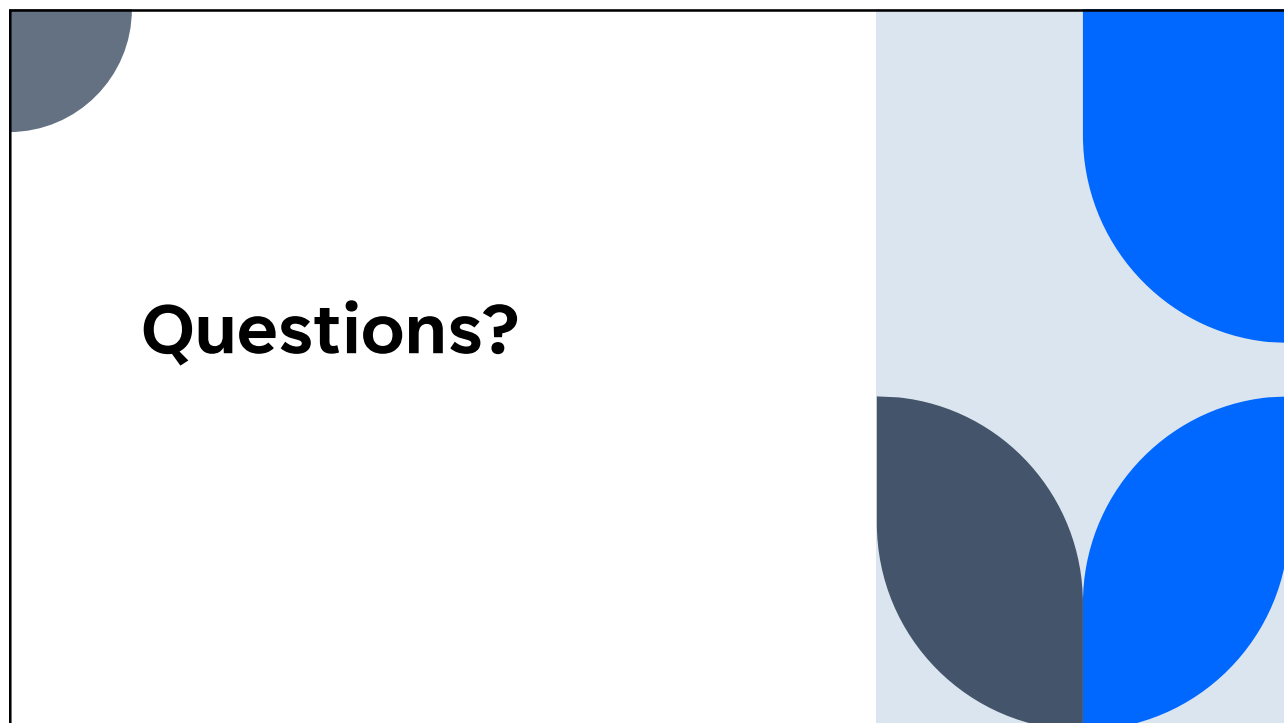
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The only constant in life is change.

Heraclitus ”

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Questions?

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