



# Biggest Players in Artificial Intelligence | Healthcare Specific

## Large technology firms and EHRs are continuing to invest in AI and Gen AI capabilities



- Deepening partnership with **Microsoft** (Nuance)
- Generative AI use cases in **pilot/development**:
  - AI-drafted responses to in-basket messages
  - Ambient clinical notes powered by Nuance
  - AI-powered chatbot to explain medical bills
  - Note summaries for clinicians and researchers
  - AI-suggestions for coding & billing
  - Rare disease research to identify patients
  - AI-augmented Slicer Dicer allowing users to describe what they want to understand



- Contracted with the **FDA** to develop **AI tools to extract information from EHRs** & improve understanding of the **effects of medicines on large populations**
  - Over the next 2 years, Cerner & John Snow Labs will support the **FDA's Sentinel Initiative** by using AI technology to explore possible **mental health side effects** from the use of the asthma drug, montelukast



- **AWS** tool announced the launch of **HealthScribe**, allowing providers to build clinical applications that use **speech recognition and generative AI** to create **transcripts of patient visits, identify key details** and **create summaries** that can be entered into the EMR



- Built **Med-PaLM 2**, an AI tool designed to answer questions about medical information
- Announced a partnership with **Mayo Clinic** in June to explore generative AI's applications in the hospital
- Partnered with **HCA Healthcare**, using generative AI to support doctors and nurses to reduce the burden of administrative tasks



- In 2022, acquired Nuance, a leader in conversational AI and ambient intelligence
- Incorporates **GPT-4**, the LLM technology from **OpenAI**, in its **clinical notetaking** software
  - Announced the integration of Nuance's **DAX Express** into Epic's medical record June 2023
- Integrating **Azure OpenAI Service** into Epic