Healthcare Intelligence

Sean McGunigal

Setting *the* Stage

November 2022
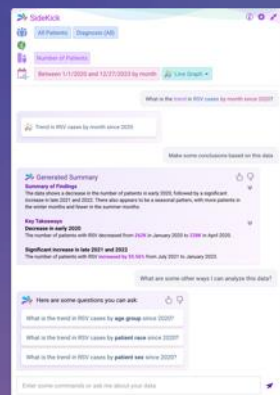ChatGPT released

April
First customers live
with In Basket Art

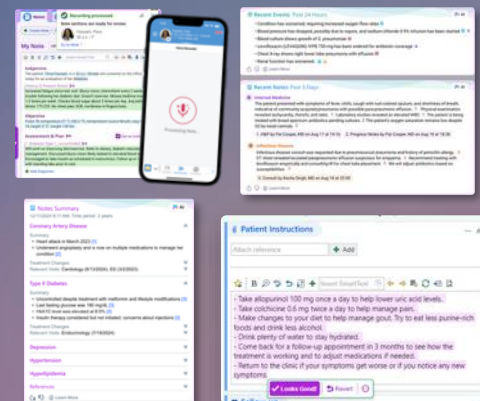**HIMSS23**
Epic integrates generative AI into EHRs

August
SideKick agent live on Cosmos

Summer
IP Insights, AI Text Assistant, Sidekick, Discharge Summary, Ambient Flowsheets, End of Shift, PB Coding Assistant live

Today
374 Epic customers using generative AI

Fall
120+ use cases live & in development

Winter
Cogito Cloud live
AI Data Foundation

Jan 2023

March
Epic integrates LLMs

May
Epic supports GPT-4

Jan 2024

Epic customers publishing generative AI studies

Spring
Analytics dashboard insights & AI-extracted radiology follow-ups live

1st international customers live in Dutch

August
Live demo of MyChart Patient Experience Agent at Epic Users Group Meeting
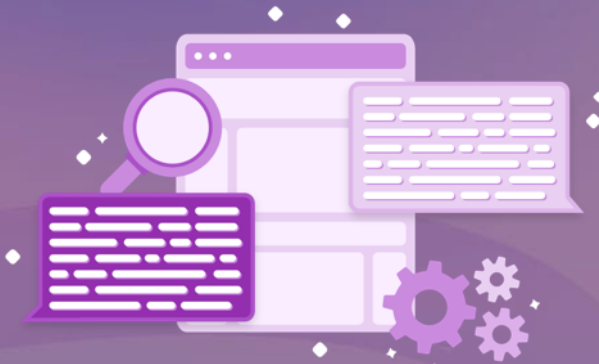
Jan 2025

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Generative AI Applications

Draft Text

Generate Summaries

Translate Content

Task Automation

Generative AI Outcomes

Radiology Findings

The Christ Hospital Health Network

70%

Lung cancers identified at stage 1 and 2

Compared to 46% nationwide

Coding Assistant

RIVERSIDE HEALTHCARE

10% less

time spent coding charge sessions

Ambient

NOVANT HEALTH

50 mins saved

In notes per day

End of Shift Notes

Mercy   UNC HEALTH   HOUSTON Methodist

>90%

AI drafts used

In Basket Art

UCI Health

43 s saved

On average per message

Denial Appeals

Northwestern Medicine

$3 million

Successfully recovered outpatient denials over the first 6 months

Active *in* Research

UC San Diego

JAMA Network | Open.

Original Investigation | Health Informatics

AI-Generated Draft Replies Integrated Into Health Records and Physicians' Electronic Communication

Ming Tai-Seale, PhD, MPH; Sally L. Baxter, MD, MSc' Florin Vaida, PhD; et al

"This study shows that generative AI can be a **collaborative tool**.
Our physicians receive about 200 messages a week. AI could help **break 'writer's block'** by providing physicians an **empathy-infused** draft upon which to craft thoughtful responses to patients."

- Ming Tai-Seale, PhD, MPH, professor of family medicine, UC San Diego School of Medicine

UMCG

Completeness, Correctness and Conciseness of Physician-Written Versus Large Language Model Generated Patient Summaries Integrated in Electronic Health Records

16 Pages   Posted: 24 May 2024

Roseanne Schoonbeek   Jessica Workum
University of Groningen – University Medical Center Groningen   Elisabeth-Tweesteden Hospital

"Researchers from UMCG and ETZ … studied the quality of generative AI-powered patient summaries, finding them to be **comparable to physician-created summaries** in terms of completeness, correctness, and trustworthiness.
The mean writing time for a physician's summary was seven minutes. For AI, it was just over **15 seconds**."

- Stephanie Klein Nagelvoort Schuit, Vice President, Board of Directors and Professor of Health Care Innovation, Universitair Medisch Centrum Groningen

nature

Current and Future State of Evaluation of Large Language Models for Medical Summarization Tasks

Sutter Health

Prompt Engineering on Leveraging Large Language Models in Generating Response to In Basket Messages

Stanford MEDICINE

Artificial Intelligence-generated Draft Replies to Patient Inbox Messages

UW Health

Call Me Dr Ishmael: Trends in Electronic Health Record Notes Available at Emergency Department Visits and Admissions"