

Session Objectives



1. Attendees will be able to apply prompt engineering techniques to produce accurate and useful AI-generated output in HIM-related tasks.
2. Attendees will be able to classify tasks in their own workflows as candidates for automation versus augmentation based on the level of human judgment required.
3. Attendees will be able to describe the current capabilities and limitations of AI tools relevant to health information management.
4. Attendees will be able to identify HIPAA-related risks associated with entering patient data into AI platforms



86% of healthcare systems
already **use AI**

AI can reduce documentation time
by up to **50%**



Where Time Goes in Healthcare Workflows

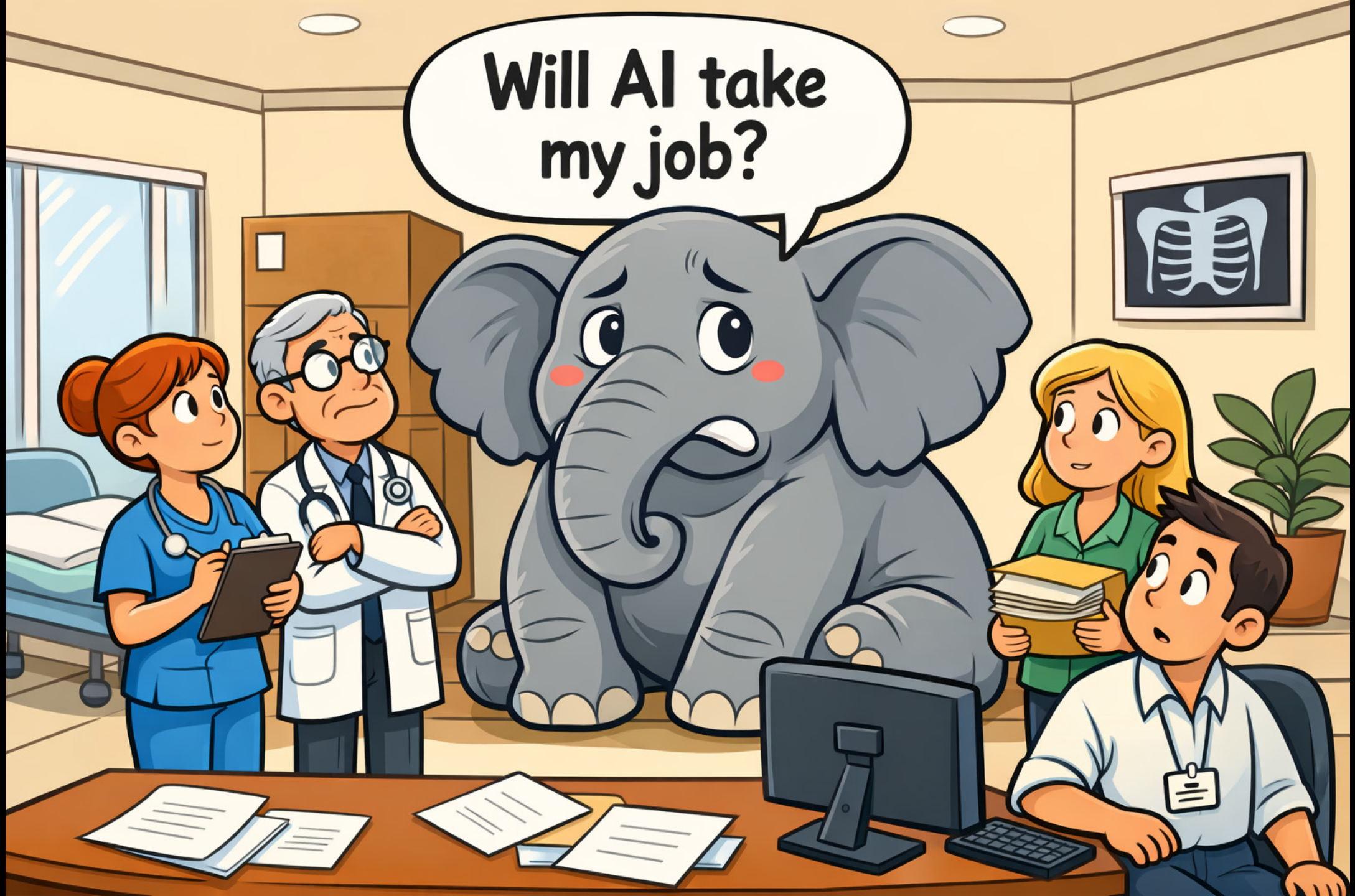


Healthcare produces

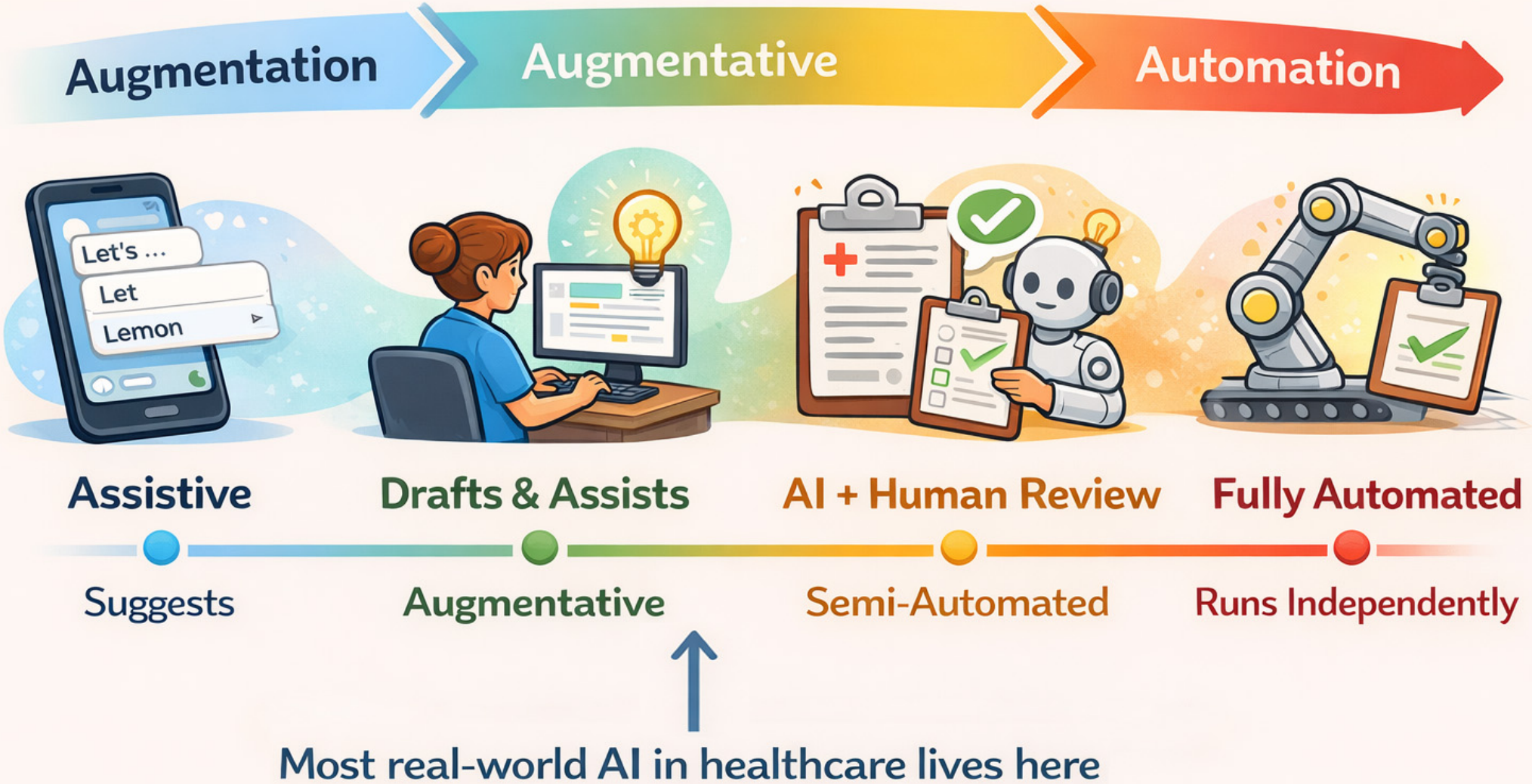
30%

of the world's data

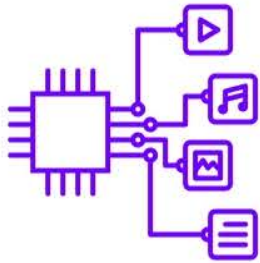
Will AI take my job?



AI Spectrum:



Generative AI



Creates new content from learned patterns: text, images, and copy at scale.

VS

Predictive AI



Forecasts outcomes from data to target, time, and recommend the next best action.

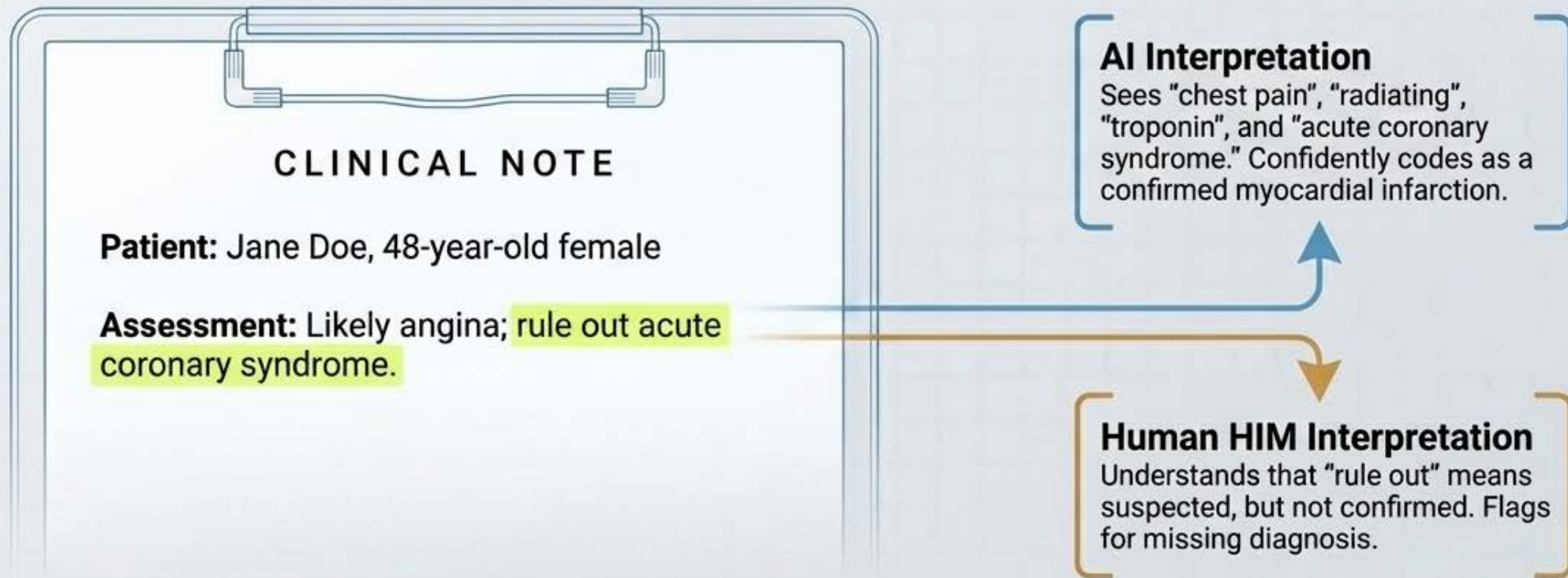
The Anatomy of an Ambient Encounter

Used by over 2,000 clinicians at Sutter Health, ambient AI captures the nuance of the visit without the cognitive burden of typing. It replaces the 'push' of EHR mandates with a clinician-led 'pull' for technology.

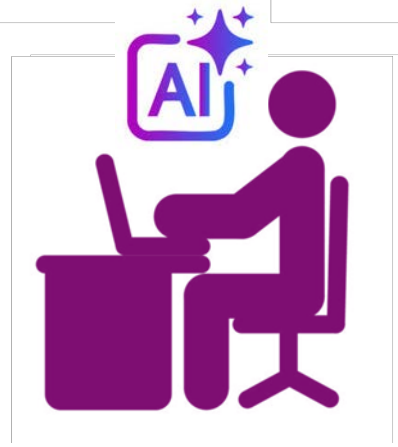


The Explainability Breakdown: Text vs. Context

Current generative AI functions as a black box that reads text with incredible speed but lacks clinical context. AI cannot reliably distinguish between a psychotherapy note and a discharge summary.



AI reads the text. Humans understand the context.





**“AI will not replace
your job, but...**

**a human using AI
might.”**


- Eric Curts

AI Literacy is a Mindset




3 Levels of AI Literacy

1 **Passive User**
AI IS THE ANSWER



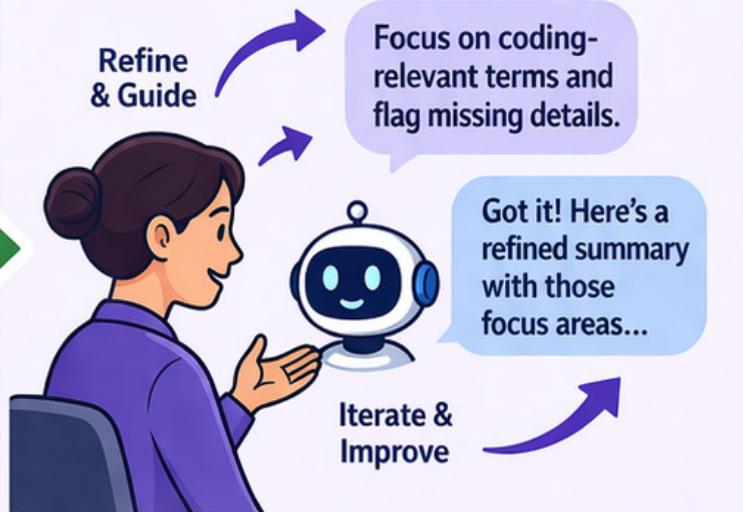
Accepts Output
Takes AI output at face value

2 **Editor**
AI IS A DRAFT



Edits Output
Reviews, edits, and verifies

3 **Director**
AI IS A COLLABORATOR I CAN GUIDE



Guides the AI
Iterates, refines prompts, and directs the output

Generate a concert poster for an indie rock band called The Polaroid Kids.

THE POLAROID KIDS



**INDIE
ROCK**

SATURDAY, MAY 18

**8:00 PM THE ELMWOOD
1234 BRIAR RD
CITY, STATE**

Regenerate the concert poster image. This time, use the following principles of graphic design. Establish visual hierarchy by presenting the band name in oversized retro slab serif (chunky, off-white) across the top; date, time, and venue in smaller thin sans-serif below camera, aligned left on a clean baseline grid. In terms of composition, the poster should feature a large vintage Polaroid camera centered on the vertical golden-ratio line; two overlapping, empty Polaroid frames angled behind it, creating diagonal movement. Use a bold color palette with built in contrast: a deep midnight navy background, cool desaturated teal on camera body, warm burnt-coral accents on flash stripe and headline drop shadow, butter-mustard highlight on developing photo, and light sand for negative space. Create additional contrast by using a strong light-dark split and warm-cool juxtaposition; headline pops against darker field. For overall style, think mid-century modern meets contemporary minimalism, textured paper background with subtle grain. Other design elements can include fine white film-leader lines framing poster edges; subtle halftone dots on background and generous negative space around text blocks. I'm looking for a design that has a nostalgic mood but also feels fresh. Generate the image.

THE POLAROID KIDS



FRIDAY, AUGUST 16
8:00 PM
THE ELMORE

THE POLAROID KIDS



**INDIE
ROCK**

SATURDAY, MAY 18

8:00 PM THE ELMWOOD
1234 BRIAR RD
CITY, STATE

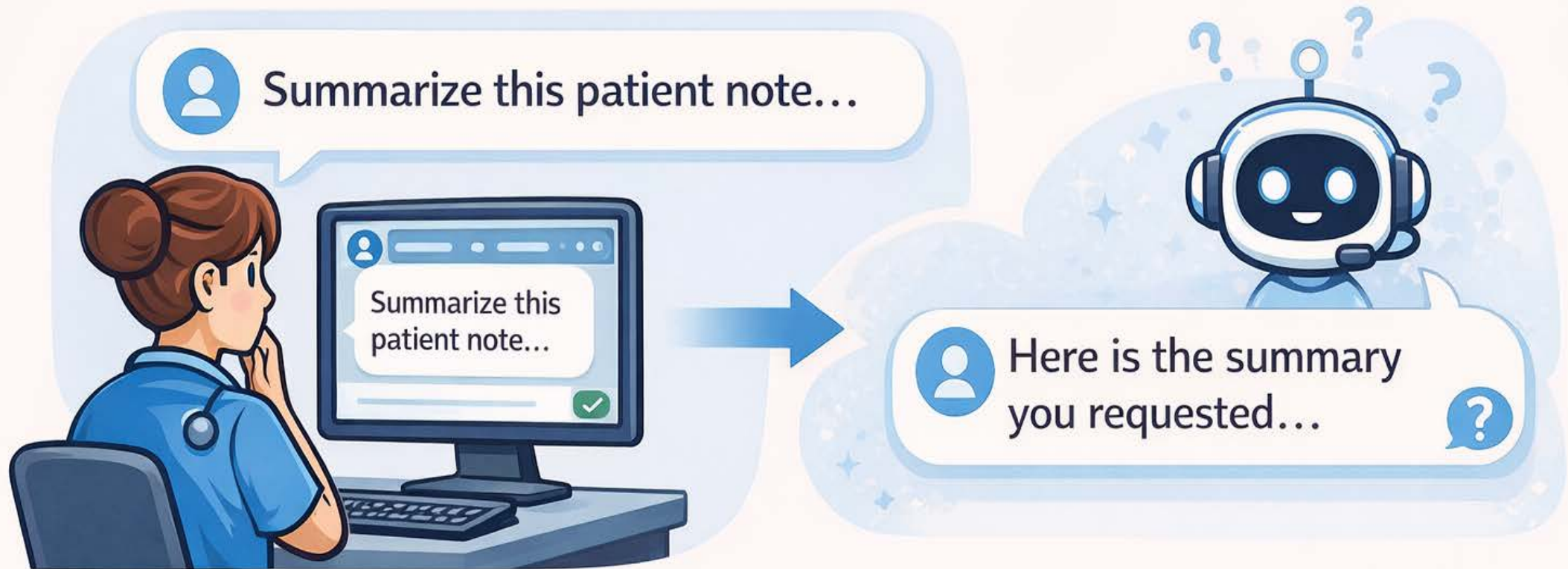
THE POLAROID KIDS



FRIDAY, AUGUST 16
8:00 PM
THE ELMORE

Zero-Shot Prompting

One prompt → One response



Chain-of-Thought Prompting

Guide the AI step-by-step



Summarize this patient note.

- First, ask me clarifying questions
- Give me ideas for how to...



Extract
Key Details



Organize
Information



Generate Summary:

Diagnosis: Type 2 diabetes, hypertension.

Treatment: Metformin 500 mg daily,
Lisinopril 10 mg daily.

Missing Info: No mention of recent A1C level
No mention of current
diet/exercise habits

DESKILLING AND AUTOMATION BIAS: A CAUTIONARY TALE FOR HEALTH PROFESSIONS EDUCATORS

Are A.I. Tools Making Doctors Worse at Their Jobs?

ARTICLES · Volume 10, Issue 10, P896-903, October 2025

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Endoscopist deskilling risk after exposure to artificial intelligence in colonoscopy: a multicentre, observational study

[Krzysztof Budzyń, MD](#)^{a,b} · [Marcin Romańczyk, MD](#)^{a,b} [✉](#) · [Diana Kitala, PhD](#)^c · [Paweł Kołodziej, MD](#)^d · [Marek Bugajski, MD](#)^e · [Hans O Adami, MD](#)^{f,g} · et al. [Show more](#)

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Will Overreliance on AI Tools Lead to Deskilling of Doctors?

By [Linda Girgis, MD, FAAFP](#) - Last Updated: September 25, 2025

81% of doctors report AI use, but 'deskilling' is a top concern

Article by [Rajiv Leventhal](#) | Mar 17, 2026

HEALTH AI

New Study Suggests Using AI Made Doctors Less Skilled at Spotting Cancer

[ADD TIME ON GOOGLE](#)



by [Miranda Jeyaretnam](#)
REPORTER

AUG 13, 2025 5:45 AM ET

How to Use AI Without Losing Your Edge

1

Answer First, Then Check

Try it yourself before asking AI



Answer First,
➔ Then Check

2

Interrogate the Output

Ask "Why?" and verify reasoning



Interrogate the Output

Ask "Why?" and verify reasoning

3

Stay in the Loop

You make the final decision.



Stay in the Loop

You make the final decision.

———— AI should support your judgment — not replace it. —————

Not All AI Tools Are Safe for Patient Data

Be Careful What You Put Into AI



- ✓ Use only tools approved by your organization.
- ✗ Never input patient information into unapproved or non-HIPAA-compliant tools.

AI Can Be Helpful—But It Can Also Be Wrong

Always Verify AI Output



- ✔ Never trust AI output without checking.
- ✘ Always trace back to the original patient documentation.

AI Doesn't Take Responsibility—You Do

You Are Still Responsible



- ✓ You sign off on any AI-assisted work.
- ✓ You are accountable for the final outcome.

—— The responsibility always rests with the human, not the AI. ——

People who use AI effectively...

- ✓ View their role as a coach/director
- ✓ Use chain of thought prompting
- ✓ Retain subject matter expertise
- ✓ Think carefully about patient privacy
- ✓ Verify AI output

