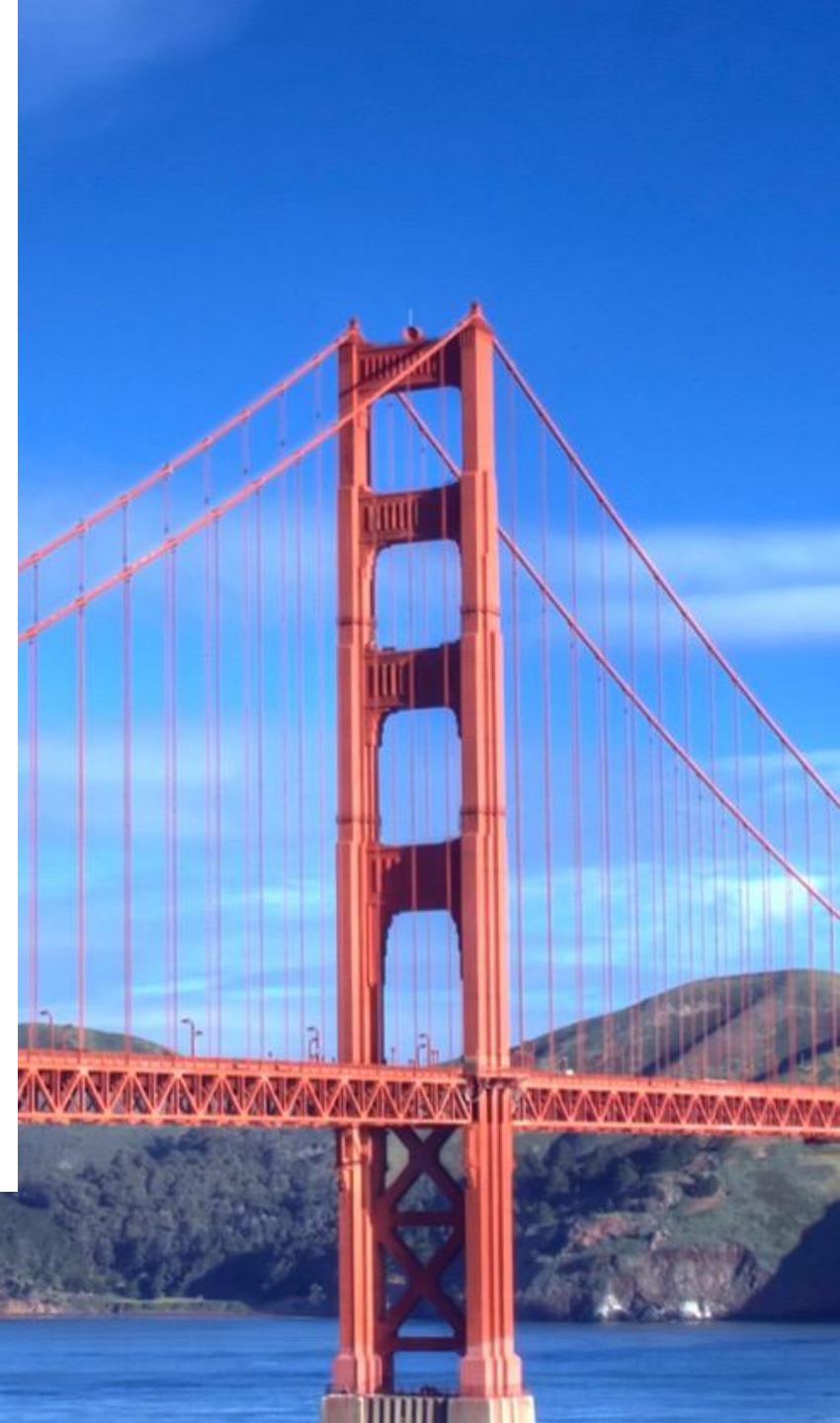




Preparing the Clinical Workforce for the Age of AI

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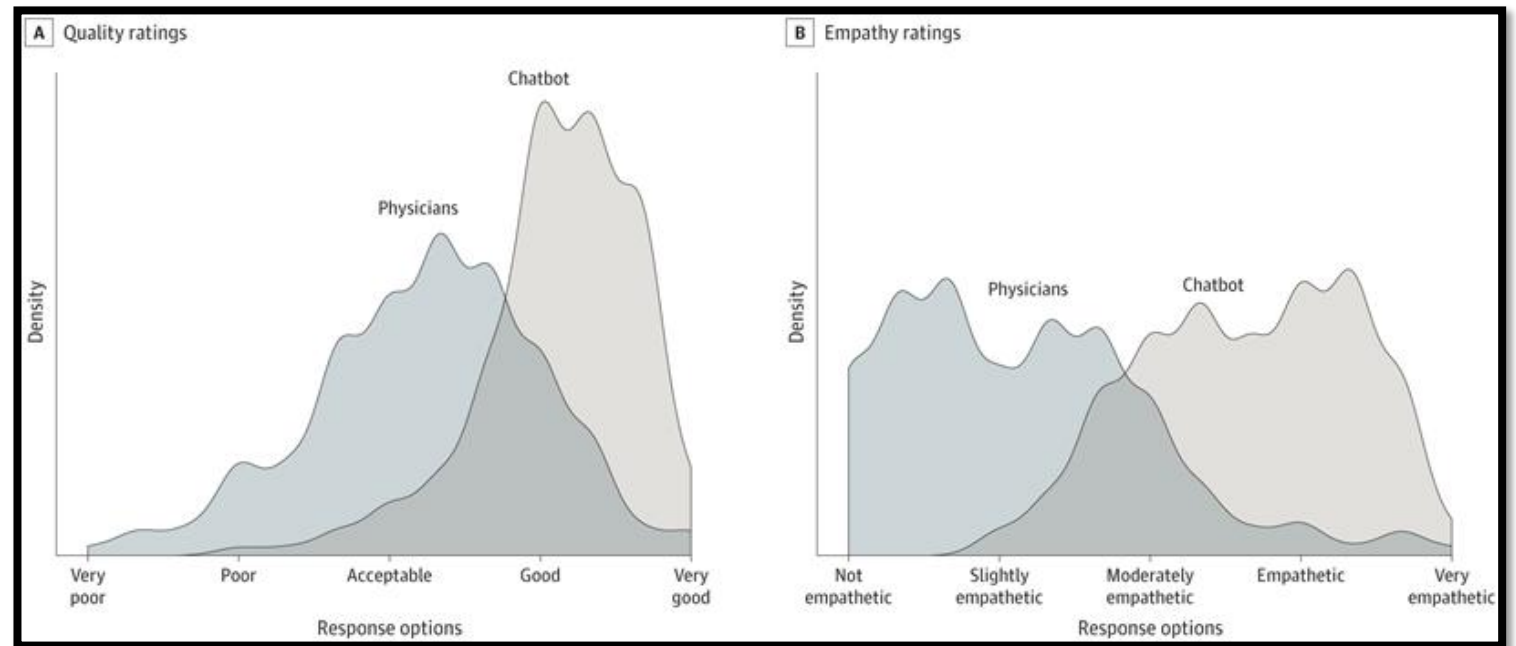




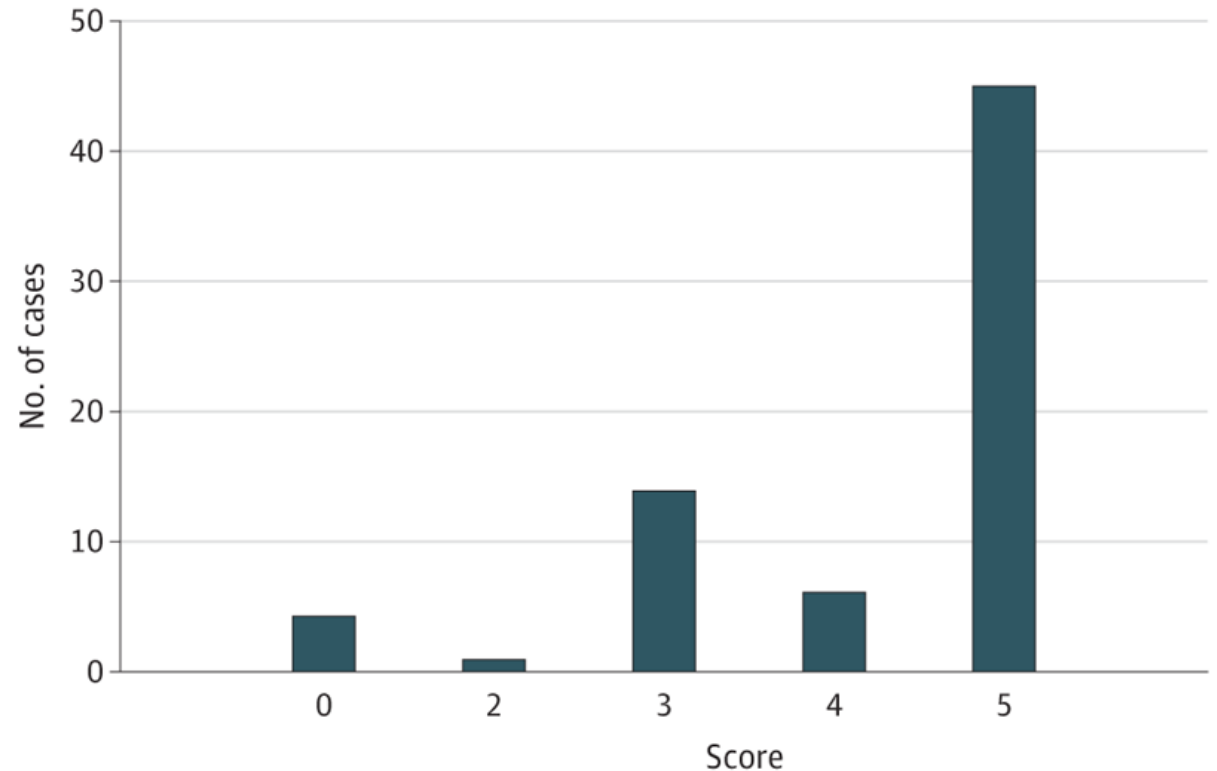
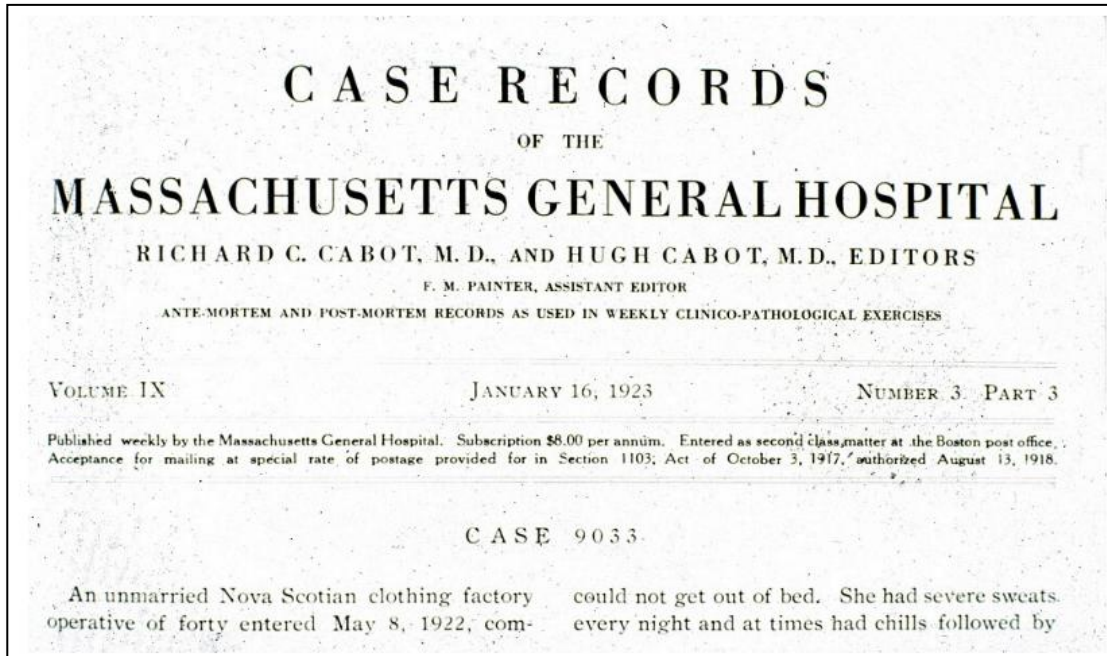
Will AI replace us?

Anonymous clinician

ChatGPT Answers Are Higher Quality and More Empathetic

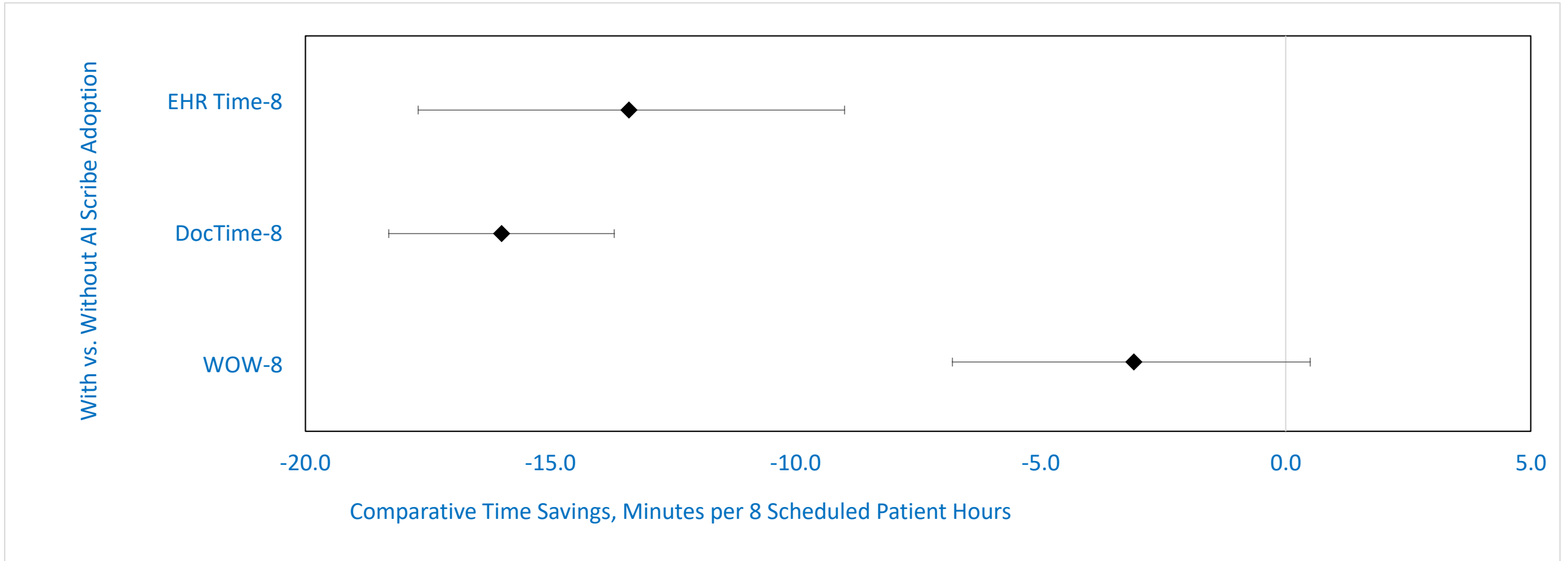


AI is Good at Differential Diagnoses



Histogram of GPT-4 performance, where 5= actual, exact diagnosis was suggested in the differential

AI Can Reorient our Time



Among > 8000 clinicians, AI scribes were most impactful for the ~30% of clinicians who used them for more than 50% of their visits

AI Can Better Orient Our Time

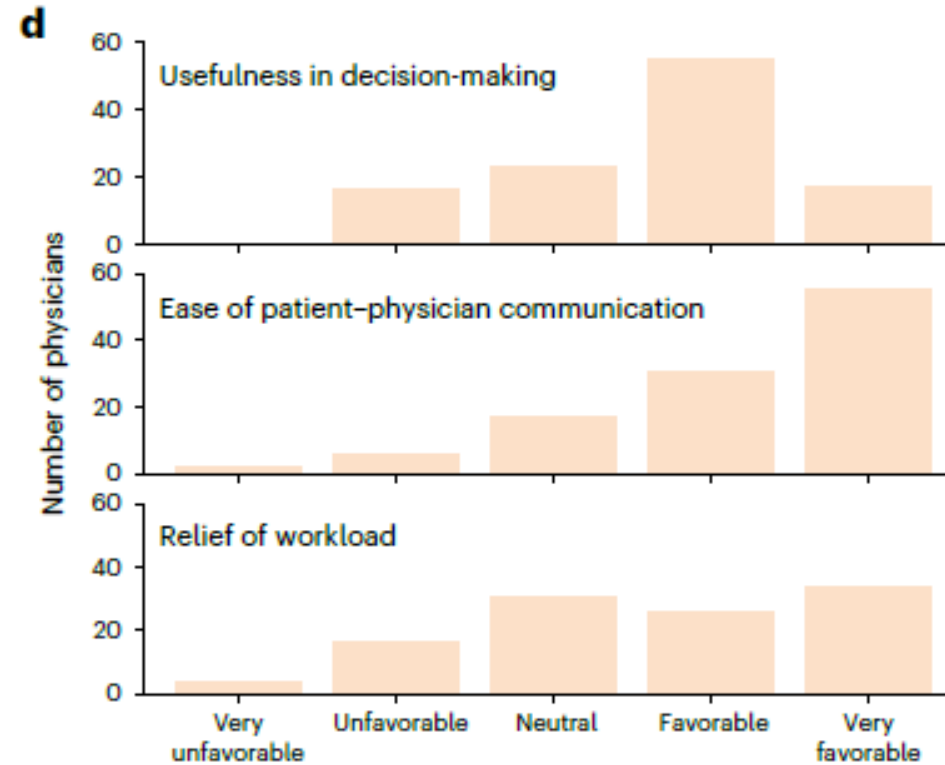
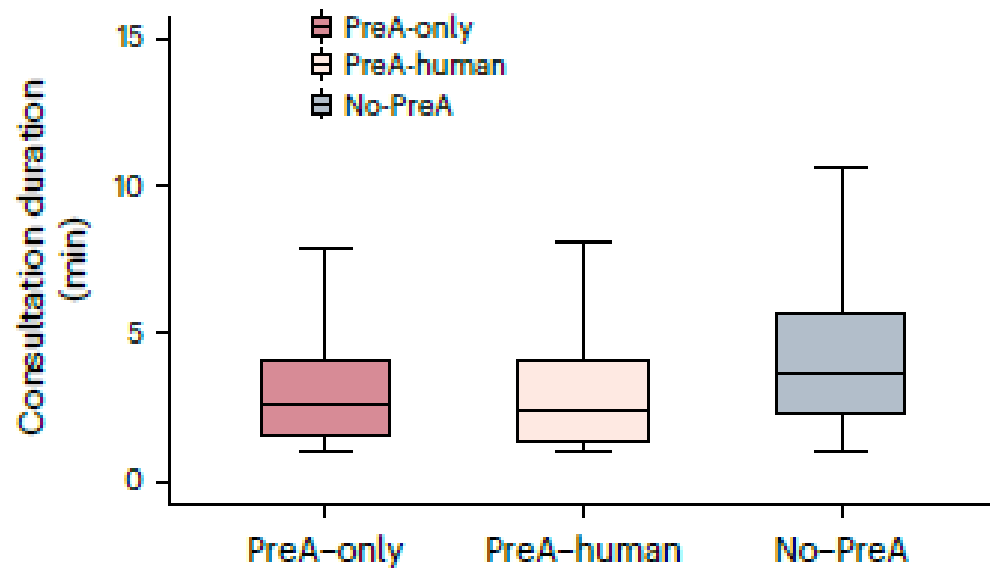
“Exceptionally helpful. It definitely improves my contact with patients and families, and definitely makes clinic easier. I still need to go through and edit the note, particularly the exam, but on the other hand, the HPI as well as the assessment and plan are often more complete than what I would have documented.”

“It definitely improves my joy in practice because I get to interact with patients and look them in the eye without worrying I will forget what they are saying later.”

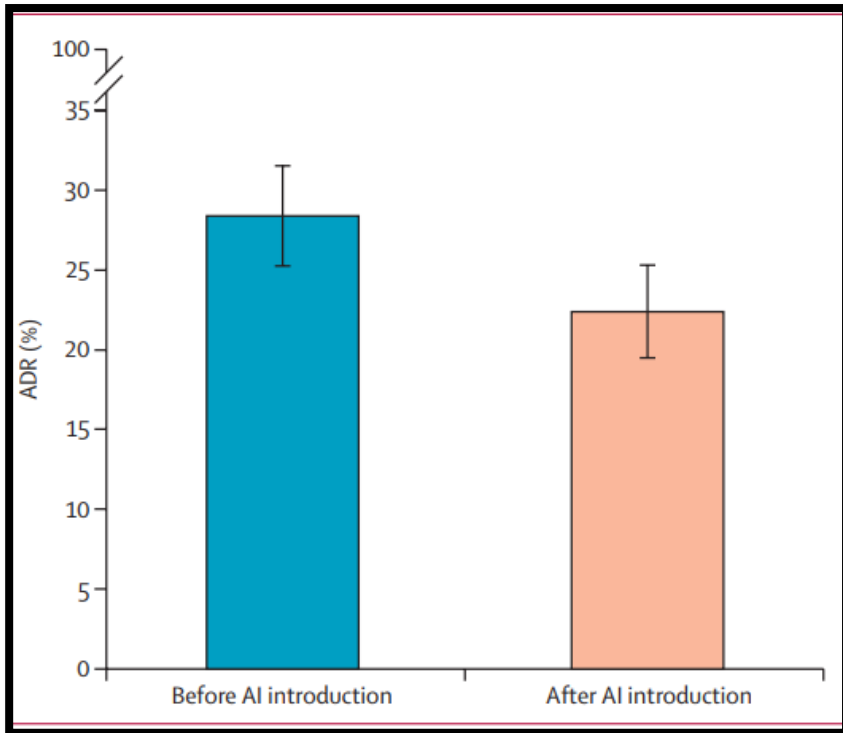
“Because of using [vendor], I get about an hour back every day that I can use to call patients back before 7 or 8 PM, respond to gateway, etc.”

AI to Better Leverage Our Clinical Workforce

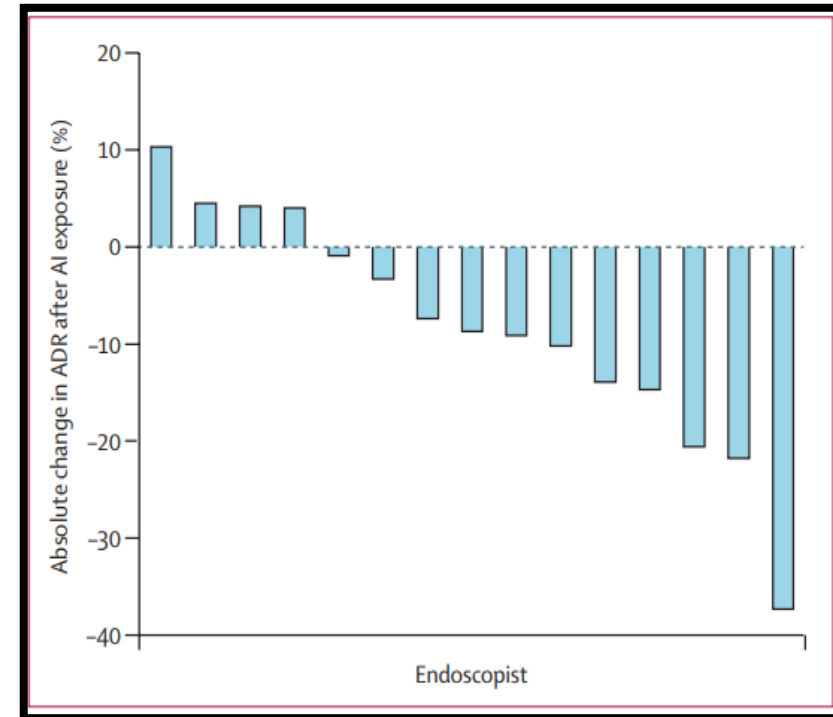
PreA-only versus PreA-human versus No-PreA



AI Can Contribute to Deskillling



Change in ADR with standard, non-AI assisted colonoscopy before and after introduction of AI for polyp detection



Endoscopist-level change in ADR with standard, non-AI assisted colonoscopy after introduction of AI in colonoscopy at each centre

Opportunities for AI

Diagnostic
assistance

Prior
authorizations

Billing &
coding

Message
responses

Scribing

Reading
imaging
studies

Risk stratifying
populations

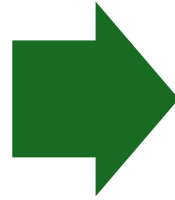
Identifying
therapy
interactions

AI Can Help Us

- Get back to the work of caring
- Add diagnostic reasoning
- Spend time in the most valuable ways– seeing patients, performing procedures, advancing care
- Bring better evidence to bear
- Learn more quickly
- Fill workforce gaps

What Reskilling Do We Need?

All the knowledge to
generate a differential
diagnosis



Prompting AI well to help
us with differential
diagnoses

Typing fast to capture
everything the patient says



Spotting hallucinations in
AI drafted notes

Identifying all the
abnormalities ourselves



Clinically correlating
abnormalities & informing
next steps

Thank You

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