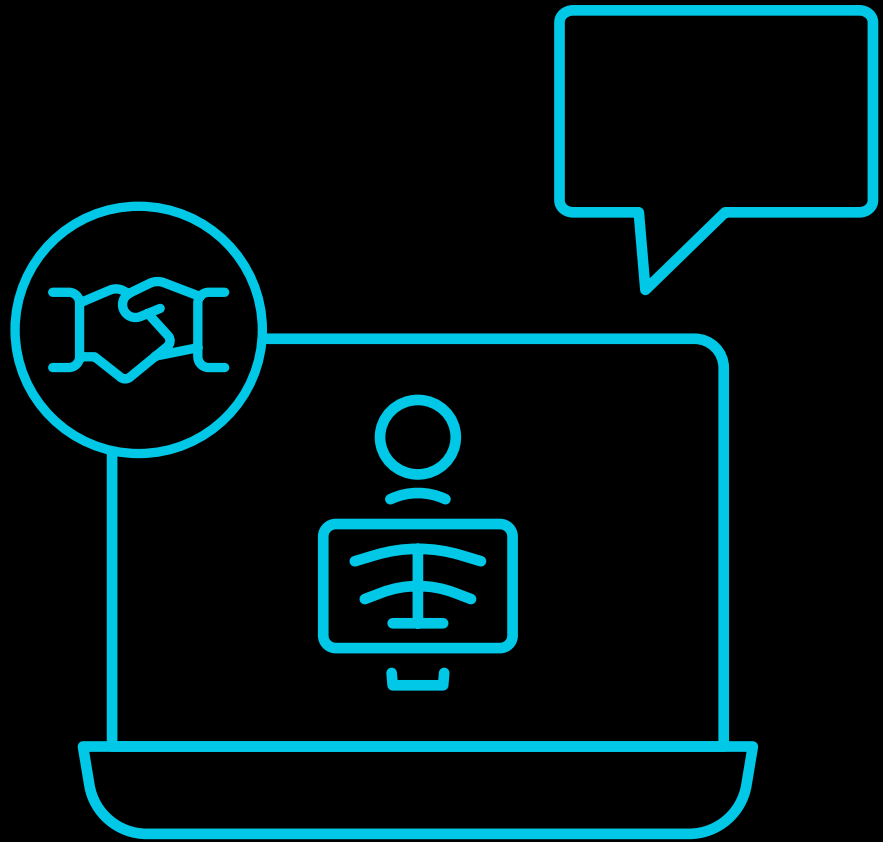


Bringing joy back to the reading room:

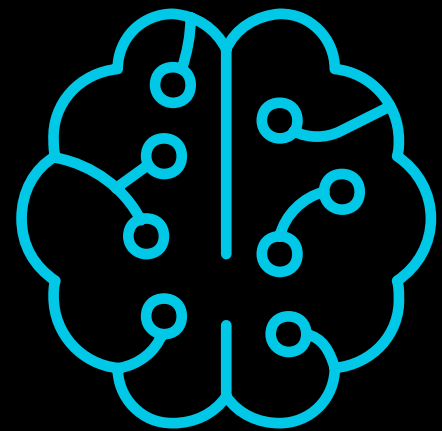
How AI can help radiologists beat burnout



Flipping the switch for artificial intelligence (AI) and radiology

AI isn't a replacement for radiologists. It can be a dependable tool for assisting them with the lifesaving work of accurately detecting, diagnosing, documenting and monitoring disease in today's reading rooms.

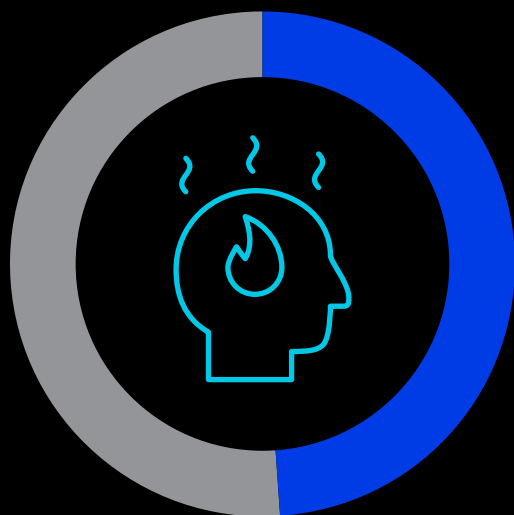
In the face of widespread burnout and high patient volumes, AI can help by increasing efficiency and easing workload.



A scan of the industry



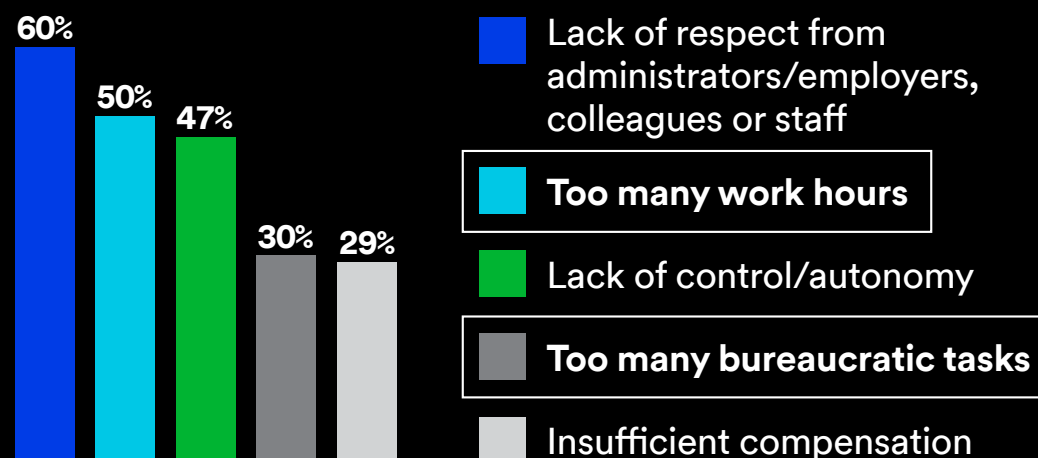
Radiology ranks
8th in burnout
among 29 physician specialties¹



49%

**of radiologists
are burned out¹**

**Top 5 factors contributing to burnout,
according to radiologists¹**



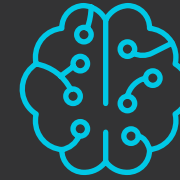
This is where AI can help.

How do radiologists address burnout?

Only 6% indicated they made workflow or staff changes.¹

More radiology teams can combat burnout with workflow adjustments.

Making the right use of AI



AI-powered diagnostic interpretations may be feasible in the long term, but non-interpretive AI is already impacting radiology reporting workflows today and can quickly provide value.² For instance, natural language understanding (NLU) and computer-assisted physician documentation (CAPD) can reduce the burden of administrative tasks and boost workflow efficiency.

These technologies help by:



Reducing rework and burnout from repetitive tasks



Easing the cognitive burden caused by a rapid reading pace



Creating more time to spend on patients' images

But simply having technology in place doesn't automatically eliminate burnout. For AI to make the biggest difference, it should fit into radiologists' existing workflows. Because in imaging, every click counts and every second adds up.

A radiologist's perspective

“It could only be seconds, but every time I have to go to the list, think about the study to choose and wait for it to open, that is time lost. And that time isn't lost to productivity, it is lost to burnout.”

– Rishi Seth, MD, neuroradiologist,
Fairfax Radiological Consultants

Tackling administrative burden



An advanced speech-driven reporting solution, **3M™ M*Modal Fluency for Imaging** helps radiologists create higher quality diagnostic interpretations faster by combining:



**Top ranking
front-end speech
recognition**



**Productivity
enhancing tools**



**AI-powered
clinical insights**

Mix and match customization options include the ability to seamlessly integrate partner solutions with 3M Fluency for Imaging. For instance, 3M partner Rad AI offers Omni, an add-on solution that generates automated report impressions in 0.5-3 seconds.³

Get more done more quickly



With the help of AI, radiologists can:



Trust the technology

3M Fluency for Imaging ranked #1 in the Best in KLAS report for Speech Recognition: Front-End Imaging for 2023, 2022 and 2020



Take a breather

Lower the number of dictated words by up to 35% and save 60+ minutes per day by reviewing automatically generated impressions³



Focus on what's most important

Offload repetitive activities that tax time and attention to focus on expert image interpretation and diagnosis

Take the next step



To find out how 3M M*Modal imaging solutions can take on administrative tasks for your radiology team, contact your 3M sales representative, call us toll free at **800-367-2447**, or visit us online at **www.3M.com/his**.

References

¹ Baggett, S. M., & Martin, K. L. (2022, February 18). *Medscape Radiologist Lifestyle, Happiness & Burnout Report 2022*. Medscape. <https://www.medscape.com/slideshow/2022-lifestyle-radiologist-6014784>

² Towbin, A. J. (2020, February 17). *Non-Interpretive AI Offers High-Impact Solutions*. American College of Radiology Data Science Institute. <https://www.acrdsi.org/DSIBlog/2020/02/17/20/01/Non-Interpretive-AI-Offers-High-Impact-Solutions>

³ Rad AI. (2022). Rad AI Omni. <https://www.radai.com/omni>



Health Information Systems
575 West Murray Boulevard
Salt Lake City, UT 84123 U.S.A.
800 367 2447

www.3M.com/his

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