



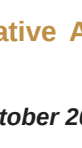
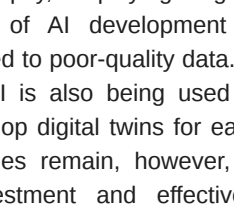
DATA NEWS SQUARE MANAGEMENT

AI & HEALTHCARE

DATA & AI NEWSLETTER | 2ND EDITION

PRESENTATION

Artificial Intelligence (AI) has emerged as a key pillar of the healthcare sector, offering significant advances in diagnosis, treatment, and care management. Thanks to its massive data analysis and machine learning capabilities, AI enables treatment personalisation, early disease detection, and clinical workflow optimisation. However, its integration raises ethical challenges, particularly in terms of data confidentiality and algorithm transparency. Through this new edition, Data News explores the multiple applications of AI in healthcare, highlights its potential benefits, and examines the ethical issues that accompany its growing use in the sector. By understanding these aspects, we can shape a future where AI significantly improves healthcare, while respecting fundamental ethical principles.

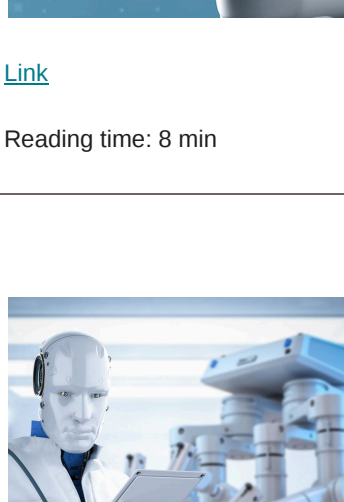


AI AND HEALTHCARE

[FR] Generative AI will have the greatest impact in healthcare

LeMagIT – October 2023

In a discussion with LeMagIT, Nvidia's Kimberly Powell highlights the transformative role of generative AI in healthcare, improving diagnostics and pharmaceutical research. She highlights the emergence of 'techbios', innovative start-ups challenging traditional industry through data analytics. Powell emphasises the importance of investors and research institutes in advancing AI-assisted healthcare. The article details how Nvidia plans to integrate generative AI into the sector, promising significant advances in drug discovery and improved patient care, marking a notable evolution in healthcare.



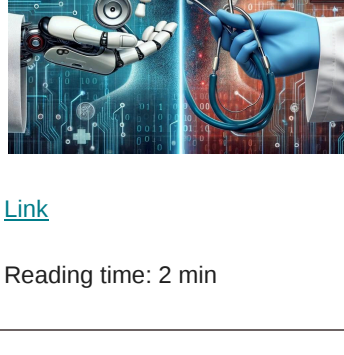
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[FR] The promises of AI in healthcare to improve screening

Radio-Canada – December 2023

The article explores the impact of artificial intelligence on disease detection, highlighting its use in pathology to improve diagnosis. AI enables rapid and accurate analysis of biopsy, simplifying surgical decisions. However, strict supervision of AI development is emphasised to avoid potential errors linked to poor-quality data. In addition to screening for pathologies, AI is also being used to observe synapses in the brain and develop digital twins for early detection of serious diseases. Challenges remain, however, in terms of achieving a return on investment and effectively integrating these technologies into the healthcare system.



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Reading time: 5 min

[FR] Google AI better than GPs at making a diagnosis

Egora.fr – January 2024

A study has revealed that AMIE, Google's AI, outperforms some doctors at making diagnoses, showing equal empathy and efficiency during simulated interactions with fake patients. However, tests with real patients are needed to confirm these results. This underlines the importance of collaboration between medical expertise and artificial intelligence in final healthcare decision-making. This study highlights the potential of AI, while underlining the need for an integrated approach.



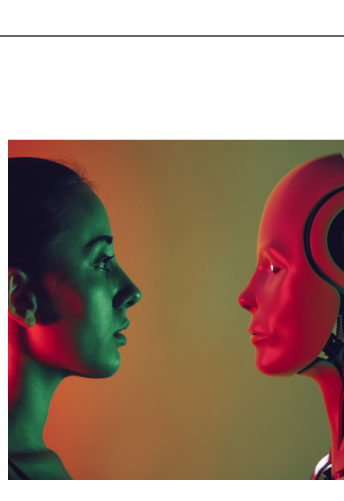
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Reading time: 2 min

[EN] AI chatbots: A game-changer for mental health and inequality

Medriva – February 2024

AI chatbots could revolutionise access to mental healthcare, as shown by a recent study published in *Nature Medicine*. It highlights the potential of the Limbic chatbot to address disparities in mental healthcare, with a particular focus on minority groups. However, further research remains necessary to ensure high-quality treatment outcomes for all.



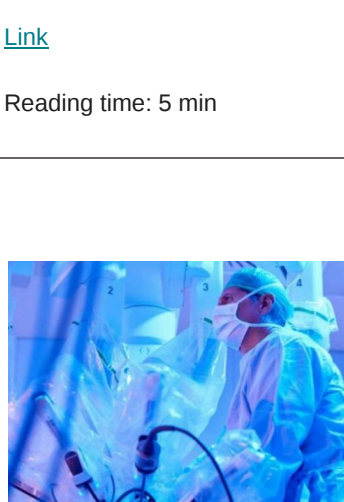
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Reading time: 3 min

[EN] Amazing ways AI tech benefits practitioners and patients in the healthcare industry

Cryptopolitan – February 2024

The article highlights the considerable benefits of integrating artificial intelligence into the healthcare sector, including improved diagnostics, personalised treatment, and effective chronic disease management. AI has become a fundamental element in various fields of medicine, including radiology, pathology, and genomics. AI applications range from predictive analytics to estimate patient outcomes, to the use of chatbots and virtual assistants to improve patient engagement, and telemedicine to deliver more effective remote care. In addition, the article highlights the growing importance of AI in drug discovery, robotic surgery, and the overall improvement of healthcare standards.



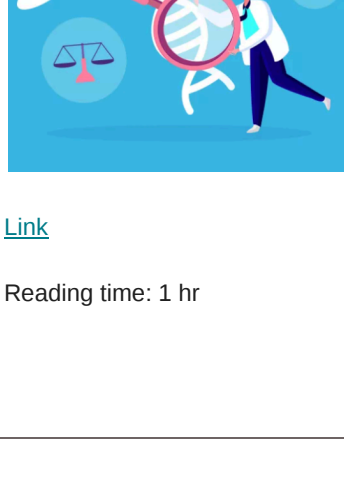
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Reading time: 8 min

[FR] Artificial intelligence, nuclear medicine... Journey into the future of cancer care with CAL in Nice

Var-Matin – February 2024

This article looks at the major developments to come in the field of oncology. It highlights the personalisation of diagnosis and treatment, based on the genetic characterisation of tumours and artificial intelligence, which will play a growing role in diagnosis and treatment. Early supportive care will also be strengthened to provide patients with the best possible support. Lastly, nuclear medicine is booming, revolutionising certain types of treatment, notably for metastatic prostate cancer.



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Reading time: 7 min

[FR] Healthtech, eHealth: what are the major trends of 2024?

Big Media (BPIFrance) – February 2024

Interaction Healthcare recently presented an overview of eHealth for the coming year. Indeed, AI is enhancing the accuracy and efficiency of healthcare, although concerns persist regarding its impact on the physician-patient relationship. Medical research and personalised care are benefiting from technological advancements, while prevention is becoming a priority. Concurrently, data management and streamlining the care pathway are emerging as challenges and opportunities, while medical information and therapeutic education are evolving through digital technologies.



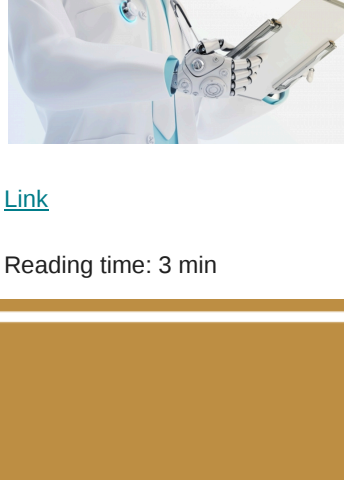
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Reading time: 5 min

[EN] AI in healthcare industry expected to rise to \$431 billion by 2032

Techopedia – February 2024

AI adoption in healthcare faces challenges like data integration, detachment between diagnostics and authorised cures, ethical issues, and minimising bias in algorithms. Nevertheless, it is tending to revolutionise diagnostics, treatment plans, and drug discovery; and, today estimated at \$23 billion, the global market for AI in healthcare could be worth over \$400 billion by 2032, according to Polaris Market Research.



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Reading time: 5 min

[FR] AI-powered care for better patient care

Forbes – February 2024

The article highlights the transformative impact of artificial intelligence and high-performance computing in healthcare. It explores how these advanced technologies are enabling improved patient care through personalised treatment, early disease detection, and robot-assisted surgery. It also highlights the importance of close collaboration between technology players and the healthcare sector to realise the full potential of AI, in a context where the global AI healthcare market is booming. This overview reveals the advances and challenges ahead. A future where personalised AI-powered healthcare becomes an accessible reality for all.



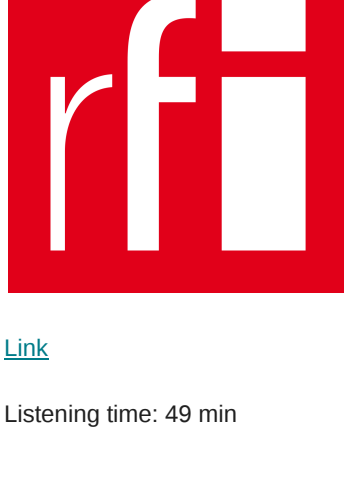
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[FR] An overview of the ethical issues surrounding AI in healthcare

OpenEdition Journals – November 2023

This piece explores the ethical issues surrounding the growing use of artificial intelligence in healthcare. It highlights the potential benefits of AI applications, while underlining the risks and uncertainties associated with their rapid development. The lack of adequate regulation and questions concerning the impact on individuals and societies call for in-depth reflection. The paper is divided into two parts: the first addresses the ethical issues involved in exploiting massive data to train AI algorithms; the second part examines the ethical implications of the development and use of AI systems in healthcare, analysing their impact on our lives and on the physical and social environment. In short, this is an overview of the critical ethical challenges posed by the rise of AI in the medical field.



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Reading time: 1 hr

[FR] AI in healthcare: differences in perception and usage between the French and doctors revealed by two Healthcare Data Institute studies

Healthcare Data Institute – January 2024

Two recent studies conducted by the Healthcare Data Institute reveal the differences in perception and use of AI in healthcare between the French and doctors. While the French are aware of AI without using it extensively, doctors are actively integrating it to improve care. The vision of its contribution in healthcare differs, requiring increased education on its benefits to encourage its wider adoption and to build trust in AI technologies among the general public and healthcare professionals.



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Reading time: 1 hr

[FR] The deployment of artificial intelligence in healthcare: between risks and opportunities

Mesinfos. – January 2024

The use of artificial intelligence in the medical field presents both challenges and promises. On the one hand, AI offers valuable tools for diagnosis and medical practice, as well as potential solutions to the shortage of medical staff. On the other hand, AI includes some risks, such as breaches of medical confidentiality, diagnostic errors, and inequalities in access to healthcare. At the same time, the deployment of AI raises complex ethical and legal issues, particularly with regard to personal data protection and the management of discriminatory biases in algorithms. Adequate regulation is essential to control the use of AI in healthcare and define medical responsibilities in the digital era.

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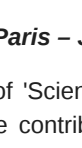
[EN] WHO releases AI ethics and governance guidance for large multi-modal models

World Health Organization – January 2024

The recent development of Large Multi-modal Models (LMMs) shows many applications in the healthcare field, but their use also brings its share of risks that can harm patients. To ensure their proper use and protect the health of populations, the WHO has published over 40 recommendations for governments and developers, for the proper deployment and integration of LMMs for medical or public health purposes.

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Reading time: 3 min



CONFERENCES

[FR] E-Health 2024's major trends

Interaction Healthcare – February 2024

On 30 January 2024, at Station F (Paris 13th), the 8th edition of the annual event presented by the Interaction Healthcare team, 'E-Health 2024's major trends', took place. This year's event featured a new full-day format, with an annual conference, four themed workshops, lunch, and networking, as well as the 'Start-ups Village' and the 'eHealth dinner'. On the program: discussions on issues and trends in this constantly evolving sector. The perfect environment for an in-depth exploration of the key themes in digital health, with a team of passionate experts.



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Watching time: 4 hrs 05



PODCASTS

[FR] AI and healthcare: from classical prediction to ChatGPT

Télécom SudParis – January 2024

This episode of 'Sciences Num', the Télécom SudParis podcast, focuses on the contribution of AI to healthcare, with Mounîm El Yacoubi, Professor of Artificial Intelligence at Télécom SudParis. It focuses in particular on a European project dealing with the detection of Parkinson's disease using AI. Other topics, such as the potential replacement of doctors by AI or the use of ChatGPT in medicine, are also discussed.



[Link](#)

Listening time: 10 min

[FR] Health and artificial intelligence

RFI – January 2024

This podcast features medical and AI experts discussing the promising advances this technology is bringing to the medical field. All of the technological advances outlined and the new practices put in place should lead to an adaptation of doctors' training programs. The experts also emphasised the importance of AI for vulnerable healthcare systems, while recalling the need to adapt these technologies to local realities.

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Listening time: 49 min

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