

Integrating AI into global fluid healthcare workforces

Introduction: Research overview

This research explores healthcare administration students' perceptions of artificial intelligence (AI) integration into fluid healthcare work environments. The study aims to assess student readiness, confidence, and concerns regarding AI's role in transforming healthcare delivery and workforce practices in increasingly digital and flexible settings.

Why the research is needed?

As healthcare systems rapidly adopt AI technologies, it is critical to understand how future professionals view these changes.

This research is needed to inform curriculum design and workforce planning, ensuring that emerging healthcare professionals are adequately prepared to use AI ethically and effectively in complex, evolving care environments.

Research questions



1

How do healthcare students perceive AI's potential to improve healthcare?



2

How confident are students in using AI technologies?



3

What educational and practical experiences influence student readiness for AI integration in healthcare?

Methodology

Using a mixed-methods approach, the study surveyed 62 undergraduate healthcare administration students at a mid-sized urban university.

The anonymous online survey included 27 items exploring AI:

Understanding

Confidence

Perceived importance of AI applications

Demographic factors

Results

Students expressed a generally positive view of AI's role in improving healthcare operations, especially in areas like diagnostics and workflow efficiency. Academic level and internship experience were significantly associated with AI confidence.

However, students raised concerns about:



Job security



Depersonalized care

As a result, pointing to the need for more hands-on, ethically grounded AI education.

Conclusion

Preparing a healthcare workforce that is confident, ethically grounded, and practically trained in AI technologies is essential to ensuring that digital transformation in healthcare leads to improved outcomes without compromising human-centred care.



Find out more about the research by reading the full article [here](#).

The article:

Integrating AI into global fluid healthcare workforces: student perspectives and future trends.

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