



“JOSHA’s Critical Review of ‘How to Regulate Evolving AI Health Algorithms’ by David W. Bates”

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Abstract:

This is a critical review of the article "How to regulate evolving AI health algorithms" by David W. Bates. The article discusses the challenges of regulating healthcare information technology, specifically AI algorithms, due to their continuously evolving nature. The author argues for updated regulatory approaches that allow for continuous learning and adaptation of these algorithms while prioritizing safety and effectiveness. While the article presents valuable insights into the potential benefits and drawbacks of using AI algorithms in healthcare, it does not fully address potential negative effects and ethical and legal implications. Future studies should explore these issues to develop appropriate regulatory frameworks.

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The article "How to regulate evolving AI health algorithms" discusses the challenges of regulating healthcare information technology, particularly evolving AI algorithms. The author argues for updated regulatory approaches that allow AI algorithms to continuously learn. He emphasises the need for safety and effective regulations that can adapt to real-world learning and adaptation.

Bates uses the example of Epic's sepsis model to demonstrate the importance of developing AI models and their varying effectiveness in different hospitals. He points to the risk of commercial organisations overstating the capabilities of their models and running many AI models simultaneously, which could increase the scale of the challenge.

While Bates presents a clear argument, he doesn't fully address the potential negative effects of overly nimble regulatory approaches or the ethical and legal implications of using AI algorithms in healthcare, particularly around privacy and transparency.

Overall, the article provides valuable insights into the potential benefits and drawbacks of using AI algorithms in healthcare. It also highlights the importance of ensuring that these technologies can learn continuously. Future studies should explore the ethical and legal implications of using AI algorithms to develop appropriate regulatory frameworks to ensure their safety and efficacy.



JOSHA's Critical Reviews focus on recent studies and discoveries in medicine and science that may impact patient care. Our editors aim to stimulate thoughts and reflections on new developments and interventions. While our opinions are subjective, we hope this service is helpful. We welcome comments from our readers!

Acknowledgement of AI tools

ChatGPT Mar 14 Version was used during the writing process as part of JOSHA's policy of experimentation with new AI tools. However, the authors of this review take full responsibility for its content.

Article Information

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